

Spain

TRENDS AND SOURCES OF ZOONOSES AND
ZOOTIC AGENTS
IN FOODSTUFFS, ANIMALS AND
FEEDINGSTUFFS

including information on foodborne outbreaks,
antimicrobial resistance in zoonotic and indicator bacteria
and some pathogenic microbiological agents

IN 2022

PREFACE

This report is submitted to the European Commission in accordance with Article 9 of Council Directive 2003/99/EC*. The information has also been forwarded to the European Food Safety Authority (EFSA).

The report contains information on trends and sources of zoonoses and zoonotic agents in Spain during the year 2022.

The information covers the occurrence of these diseases and agents in animals, foodstuffs and in some cases also in feedingstuffs. In addition the report includes data on antimicrobial resistance in some zoonotic agents and indicator bacteria as well as information on epidemiological investigations of foodborne outbreaks.

Complementary data on susceptible animal populations in the country is also given. The information given covers both zoonoses that are important for the public health in the whole European Union as well as zoonoses, which are relevant on the basis of the national epidemiological situation.

The report describes the monitoring systems in place and the prevention and control strategies applied in the country. For some zoonoses this monitoring is based on legal requirements laid down by the European Union legislation, while for the other zoonoses national approaches are applied.

The report presents the results of the examinations carried out in the reporting year. A national evaluation of the epidemiological situation, with special reference to trends and sources of zoonotic infections, is given. Whenever possible, the relevance of findings in foodstuffs and animals to zoonoses cases in humans is evaluated.

The information covered by this report is used in the annual European Union Summary Reports on zoonoses and antimicrobial resistance that are published each year by EFSA.

The national report contains two parts: tables summarising data reported in the Data Collection Framework and the related text forms. The text forms were sent by email as pdf files and they are incorporated at the end of the report.

* Directive 2003/ 99/ EC of the European Parliament and of the Council of 12 December 2003 on the monitoring of zoonoses and zoonotic agents, amending Decision 90/ 424/ EEC and repealing Council Directive 92/ 117/ EEC, OJ L 325, 17.11.2003, p. 31

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ANIMAL POPULATION TABLES

Table Susceptible animal population

| Animal species | Category of animals | Population | |
|-------------------------|---|------------|-------------|
| | | holding | animal |
| Cattle (bovine animals) | Cattle (bovine animals) | 114,071 | 5,571,876 |
| | Cattle (bovine animals) - calves (under 1 year) | 18,178 | 2,514,690 |
| | Cattle (bovine animals) - dairy cows and heifers | 11,810 | 787,499 |
| | Cattle (bovine animals) - meat production animals | 84,083 | 2,269,687 |
| Ducks | Ducks - breeding flocks, unspecified | 3 | 30,583 |
| Gallus gallus (fowl) | Gallus gallus (fowl) - breeding flocks, unspecified | 218 | 5,425,712 |
| | Gallus gallus (fowl) - broilers | 4,823 | 351,922,135 |
| | Gallus gallus (fowl) - grandparent breeding flocks, unspecified - unspecified | 51 | 4,274,802 |
| | Gallus gallus (fowl) - laying hens | 1,696 | 34,459,350 |
| | Gallus gallus (fowl) - parent breeding flocks, unspecified - unspecified | 359 | 30,476,321 |
| Geese | Geese - breeding flocks, unspecified | 2 | 171 |
| Pigs | Pigs | 70,073 | 31,442,419 |
| | Pigs - breeding animals | 4,199 | 4,338,073 |
| | Pigs - breeding animals - unspecified - sows and boars | 408 | 2,386,264 |
| | Pigs - fattening pigs | 45,400 | 20,215,432 |
| | Pigs - mixed herds | 10,626 | 3,627,832 |
| Small ruminants | Goats | 60,760 | 4,505,785 |
| | Sheep | 96,122 | 26,052,142 |
| Solipeds, domestic | Solipeds, domestic - horses | 193,567 | 636,119 |
| Turkeys | Turkeys - breeding flocks, unspecified | 14 | 172,435 |
| | Turkeys - meat production flocks | 841 | 11,124,364 |

DISEASE STATUS TABLES

| TABLE NAME | REGION | Zoonotic Agent | DISEASE STATUS UNIT | Number of herds with status officially free | Number of infected herds | Total number of herds |
|--|---------------|-----------------------|----------------------------|--|---------------------------------|------------------------------|
| Bovine brucellosis in countries and regions that do not receive Community co-financing for eradication programme | SPAIN | Brucella | | 101,650 | 0 | 101,650 |

| TABLE NAME | REGION | Zoonotic Agent | DISEASE STATUS UNIT | Number of herds with status officially free | Number of infected herds | Total number of herds |
|--|---------------|-----------------------|----------------------------|--|---------------------------------|------------------------------|
| Ovine or Caprine brucellosis in countries and regions that do not receive Community co-financing for eradication programme | SPAIN | Brucella suis | | 108,055 | 1 | 108,056 |

DISEASE STATUS TABLES

| TABLE NAME | REGION | Zoonotic Agent | DISEASE | Number of animals to be | Number of | Number of | |
|--|--|--|---------|-------------------------|-----------|----------------|----------------|
| | | | STATUS | tested under the | animals | animals tested | animals tested |
| | | | UNIT | of animals | program | individually | |
| Bovine tuberculosis - data on animals - Community co-financed eradication programmes | SPAIN | Mycobacterium tuberculosis complex (MTC) | | 6,618,302 | 5,115,610 | 4,576,963 | 4,560,961 |
| | Galicia | Mycobacterium tuberculosis complex (MTC) | | 958,067 | 395,757 | 357,677 | 357,677 |
| | Principado de Asturias | Mycobacterium tuberculosis complex (MTC) | | 374,091 | 353,831 | 353,831 | 353,831 |
| | Cantabria (NUTS level 2) | Mycobacterium tuberculosis complex (MTC) | | 260,291 | 256,873 | 256,873 | 256,873 |
| | País Vasco | Mycobacterium tuberculosis complex (MTC) | | 127,289 | 84,484 | 84,484 | 84,484 |
| | Comunidad Foral de Navarra | Mycobacterium tuberculosis complex (MTC) | | 119,398 | 99,058 | 99,058 | 99,058 |
| | La Rioja (NUTS level 2) | Mycobacterium tuberculosis complex (MTC) | | 41,025 | 37,618 | 26,257 | 26,257 |
| | Aragón | Mycobacterium tuberculosis complex (MTC) | | 422,002 | 422,002 | 150,171 | 150,171 |
| | Comunidad de Madrid (NUTS level 2) | Mycobacterium tuberculosis complex (MTC) | | 85,851 | 74,297 | 74,297 | 74,297 |
| | Castilla y León | Mycobacterium tuberculosis complex (MTC) | | 1,340,646 | 1,340,646 | 1,138,660 | 1,138,660 |
| | Castilla-La Mancha | Mycobacterium tuberculosis complex (MTC) | | 488,394 | 220,977 | 220,538 | 220,538 |
| | Extremadura | Mycobacterium tuberculosis complex (MTC) | | 1,042,696 | 960,496 | 955,838 | 955,838 |
| | Cataluña | Mycobacterium tuberculosis complex (MTC) | | 621,617 | 253,766 | 253,572 | 253,528 |
| | Comunitat Valenciana | Mycobacterium tuberculosis complex (MTC) | | 59,676 | 30,739 | 30,739 | 30,739 |
| | Illes Balears | Mycobacterium tuberculosis complex (MTC) | | 26,212 | 11,123 | 11,123 | 11,123 |
| | Andalucía | Mycobacterium tuberculosis complex (MTC) | | 553,921 | 530,963 | 520,865 | 515,912 |
| | Región de Murcia | Mycobacterium tuberculosis complex (MTC) | | 76,577 | 22,431 | 22,431 | 22,431 |
| Canarias (NUTS level 2) | Mycobacterium tuberculosis complex (MTC) | | 20,549 | 20,549 | 20,549 | 9,544 | |

| TABLE NAME | REGION | Zoonotic Agent | DISEASE | Number of |
|--|--|--|---------|-----------|
| | | | STATUS | positive |
| | | | UNIT | animals |
| Bovine tuberculosis - data on animals - Community co-financed eradication programmes | SPAIN | Mycobacterium tuberculosis complex (MTC) | | 13,734 |
| | Galicia | Mycobacterium tuberculosis complex (MTC) | | 4 |
| | Principado de Asturias | Mycobacterium tuberculosis complex (MTC) | | 180 |
| | Cantabria (NUTS level 2) | Mycobacterium tuberculosis complex (MTC) | | 79 |
| | País Vasco | Mycobacterium tuberculosis complex (MTC) | | 0 |
| | Comunidad Foral de Navarra | Mycobacterium tuberculosis complex (MTC) | | 31 |
| | La Rioja (NUTS level 2) | Mycobacterium tuberculosis complex (MTC) | | 448 |
| | Aragón | Mycobacterium tuberculosis complex (MTC) | | 86 |
| | Comunidad de Madrid (NUTS level 2) | Mycobacterium tuberculosis complex (MTC) | | 298 |
| | Castilla y León | Mycobacterium tuberculosis complex (MTC) | | 2,651 |
| | Castilla-La Mancha | Mycobacterium tuberculosis complex (MTC) | | 1,859 |
| | Extremadura | Mycobacterium tuberculosis complex (MTC) | | 3,144 |
| | Cataluña | Mycobacterium tuberculosis complex (MTC) | | 63 |
| | Comunitat Valenciana | Mycobacterium tuberculosis complex (MTC) | | 93 |
| | Illes Balears | Mycobacterium tuberculosis complex (MTC) | | 0 |
| | Andalucía | Mycobacterium tuberculosis complex (MTC) | | 4,798 |
| | Región de Murcia | Mycobacterium tuberculosis complex (MTC) | | 0 |
| Canarias (NUTS level 2) | Mycobacterium tuberculosis complex (MTC) | | 0 | |

| TABLE NAME | REGION | Zoonotic Agent | DISEASE STATUS UNIT | Number of new positive herds | Total number of herds | Number of herds under the program | Number of herds under the program tested/checked |
|--|------------------------------------|--|---------------------|------------------------------|-----------------------|-----------------------------------|--|
| Bovine tuberculosis - data on herds - Community co-financed eradication programmes | SPAIN | Mycobacterium tuberculosis complex (MTC) | | 815 | 103,903 | 102,647 | 101,501 |
| | Galicia | Mycobacterium tuberculosis complex (MTC) | | 2 | 28,734 | 28,734 | 28,734 |
| | Principado de Asturias | Mycobacterium tuberculosis complex (MTC) | | 9 | 13,653 | 13,653 | 13,653 |
| | Cantabria (NUTS level 2) | Mycobacterium tuberculosis complex (MTC) | | 23 | 6,279 | 6,268 | 6,268 |
| | País Vasco | Mycobacterium tuberculosis complex (MTC) | | 0 | 4,892 | 4,892 | 4,892 |
| | Comunidad Foral de Navarra | Mycobacterium tuberculosis complex (MTC) | | 3 | 1,579 | 1,579 | 1,535 |
| | La Rioja (NUTS level 2) | Mycobacterium tuberculosis complex (MTC) | | 11 | 307 | 295 | 295 |
| | Aragón | Mycobacterium tuberculosis complex (MTC) | | 2 | 3,268 | 3,268 | 3,248 |
| | Comunidad de Madrid (NUTS level 2) | Mycobacterium tuberculosis complex (MTC) | | 21 | 1,374 | 1,313 | 1,256 |
| | Castilla y León | Mycobacterium tuberculosis complex (MTC) | | 221 | 15,893 | 15,893 | 15,893 |
| | Castilla-La Mancha | Mycobacterium tuberculosis complex (MTC) | | 67 | 3,144 | 2,616 | 2,472 |
| | Extremadura | Mycobacterium tuberculosis complex (MTC) | | 258 | 11,194 | 10,753 | 10,142 |
| | Cataluña | Mycobacterium tuberculosis complex (MTC) | | 2 | 4,799 | 4,799 | 4,799 |
| | Comunitat Valenciana | Mycobacterium tuberculosis complex (MTC) | | 4 | 622 | 607 | 607 |
| | Illes Balears | Mycobacterium tuberculosis complex (MTC) | | 0 | 529 | 529 | 529 |
| | Andalucía | Mycobacterium tuberculosis complex (MTC) | | 192 | 6,618 | 6,430 | 6,160 |
| | Región de Murcia | Mycobacterium tuberculosis complex (MTC) | | 0 | 329 | 329 | 329 |
| | Canarias (NUTS level 2) | Mycobacterium tuberculosis complex (MTC) | | 0 | 689 | 689 | 689 |

DISEASE STATUS UNIT **Number of positive herds**

| TABLE NAME | REGION | Zoonotic Agent | |
|--|------------------------------------|--|-------|
| Bovine tuberculosis - data on herds - Community co-financed eradication programmes | SPAIN | Mycobacterium tuberculosis complex (MTC) | 1,422 |
| | Galicia | Mycobacterium tuberculosis complex (MTC) | 2 |
| | Principado de Asturias | Mycobacterium tuberculosis complex (MTC) | 12 |
| | Cantabria (NUTS level 2) | Mycobacterium tuberculosis complex (MTC) | 24 |
| | País Vasco | Mycobacterium tuberculosis complex (MTC) | 0 |
| | Comunidad Foral de Navarra | Mycobacterium tuberculosis complex (MTC) | 3 |
| | La Rioja (NUTS level 2) | Mycobacterium tuberculosis complex (MTC) | 20 |
| | Aragón | Mycobacterium tuberculosis complex (MTC) | 5 |
| | Comunidad de Madrid (NUTS level 2) | Mycobacterium tuberculosis complex (MTC) | 30 |
| | Castilla y León | Mycobacterium tuberculosis complex (MTC) | 329 |
| | Castilla-La Mancha | Mycobacterium tuberculosis complex (MTC) | 177 |
| | Extremadura | Mycobacterium tuberculosis complex (MTC) | 406 |
| | Cataluña | Mycobacterium tuberculosis complex (MTC) | 3 |
| | Comunitat Valenciana | Mycobacterium tuberculosis complex (MTC) | 6 |
| | Illes Balears | Mycobacterium tuberculosis complex (MTC) | 0 |
| | Andalucía | Mycobacterium tuberculosis complex (MTC) | 405 |
| | Región de Murcia | Mycobacterium tuberculosis complex (MTC) | 0 |
| | Canarias (NUTS level 2) | Mycobacterium tuberculosis complex (MTC) | 0 |

| TABLE NAME | REGION | Zoonotic Agent | DISEASE STATUS UNIT | Total number of herds under the program, at the end of the period | Total number of animals under the program, at the end of the period |
|---|--|--|---------------------|---|---|
| | | | | | |
| Bovine tuberculosis - data on status of herds at the end of the period - Community co-financed eradication programmes | SPAIN | Mycobacterium tuberculosis complex (MTC) | | 100,024 | 6,344,582 |
| | Galicia | Mycobacterium tuberculosis complex (MTC) | | 27,292 | 951,862 |
| | Principado de Asturias | Mycobacterium tuberculosis complex (MTC) | | 13,653 | 367,361 |
| | Cantabria (NUTS level 2) | Mycobacterium tuberculosis complex (MTC) | | 6,194 | 258,159 |
| | País Vasco | Mycobacterium tuberculosis complex (MTC) | | 4,022 | 125,135 |
| | Comunidad Foral de Navarra | Mycobacterium tuberculosis complex (MTC) | | 1,579 | 119,398 |
| | La Rioja (NUTS level 2) | Mycobacterium tuberculosis complex (MTC) | | 294 | 37,618 |
| | Aragón | Mycobacterium tuberculosis complex (MTC) | | 3,268 | 422,002 |
| | Comunidad de Madrid (NUTS level 2) | Mycobacterium tuberculosis complex (MTC) | | 1,313 | 79,830 |
| | Castilla y León | Mycobacterium tuberculosis complex (MTC) | | 15,893 | 1,340,646 |
| | Castilla-La Mancha | Mycobacterium tuberculosis complex (MTC) | | 2,616 | 383,285 |
| | Extremadura | Mycobacterium tuberculosis complex (MTC) | | 10,694 | 963,002 |
| | Cataluña | Mycobacterium tuberculosis complex (MTC) | | 4,799 | 617,183 |
| | Comunitat Valenciana | Mycobacterium tuberculosis complex (MTC) | | 623 | 59,695 |
| | Illes Balears | Mycobacterium tuberculosis complex (MTC) | | 514 | 24,829 |
| | Andalucía | Mycobacterium tuberculosis complex (MTC) | | 6,252 | 497,451 |
| | Región de Murcia | Mycobacterium tuberculosis complex (MTC) | | 329 | 76,577 |
| Canarias (NUTS level 2) | Mycobacterium tuberculosis complex (MTC) | | 689 | 20,549 | |

| TABLE NAME | REGION | Zoonotic Agent | DISEASE | Number of herds with status | Number of animals with status |
|---|--|--|---------|------------------------------------|------------------------------------|
| | | | STATUS | officially free, at the end of the | officially free, at the end of the |
| | | | UNIT | period | period |
| Bovine tuberculosis - data on status of herds at the end of the period - Community co-financed eradication programmes | SPAIN | Mycobacterium tuberculosis complex (MTC) | | 97,011 | 5,981,890 |
| | Galicia | Mycobacterium tuberculosis complex (MTC) | | 27,279 | 950,914 |
| | Principado de Asturias | Mycobacterium tuberculosis complex (MTC) | | 13,650 | 367,264 |
| | Cantabria (NUTS level 2) | Mycobacterium tuberculosis complex (MTC) | | 6,137 | 255,138 |
| | País Vasco | Mycobacterium tuberculosis complex (MTC) | | 4,017 | 125,235 |
| | Comunidad Foral de Navarra | Mycobacterium tuberculosis complex (MTC) | | 1,577 | 119,173 |
| | La Rioja (NUTS level 2) | Mycobacterium tuberculosis complex (MTC) | | 263 | 33,724 |
| | Aragón | Mycobacterium tuberculosis complex (MTC) | | 3,251 | 419,258 |
| | Comunidad de Madrid (NUTS level 2) | Mycobacterium tuberculosis complex (MTC) | | 1,273 | 75,509 |
| | Castilla y León | Mycobacterium tuberculosis complex (MTC) | | 14,950 | 1,207,542 |
| | Castilla-La Mancha | Mycobacterium tuberculosis complex (MTC) | | 2,363 | 346,111 |
| | Extremadura | Mycobacterium tuberculosis complex (MTC) | | 9,827 | 847,002 |
| | Cataluña | Mycobacterium tuberculosis complex (MTC) | | 4,794 | 616,726 |
| | Comunitat Valenciana | Mycobacterium tuberculosis complex (MTC) | | 586 | 56,775 |
| | Illes Balears | Mycobacterium tuberculosis complex (MTC) | | 514 | 24,829 |
| | Andalucía | Mycobacterium tuberculosis complex (MTC) | | 5,513 | 439,735 |
| | Región de Murcia | Mycobacterium tuberculosis complex (MTC) | | 328 | 76,406 |
| Canarias (NUTS level 2) | Mycobacterium tuberculosis complex (MTC) | | 689 | 20,549 | |

PREVALENCE TABLES

Table BRUCELLA:Brucella in animal

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling Details | Method | total units | | Zoonoses | N units positive | |
|------------------|--|------------------|-----------------------|----------------------|----------------------|----------|--------------------------|----|
| | | | | Sampling unit tested | total units positive | | | |
| SPAIN | Deer - wild - fallow deer - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling | N_A | Microbiological tests | animal | 19 | 0 | Brucella | 0 |
| | Deer - wild - red deer - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling | N_A | Microbiological tests | animal | 450 | 0 | Brucella | 0 |
| | Deer - wild - roe deer - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling | N_A | Microbiological tests | animal | 60 | 0 | Brucella | 0 |
| | Pigs - Farm - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling | N_A | Microbiological tests | herd/flock | 676 | 6 | Brucella suis - biovar 2 | 6 |
| | Wild boars - wild - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling | N_A | Microbiological tests | animal | 1545 | 26 | Brucella suis - biovar 2 | 26 |

Table BRUCELLA:Brucella in food

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive | |
|------------------|---|----------------------|--------------------|------------------|------------------|-------------------------------|----------------------|----------|------------------|---|
| Not Available | Cheeses made from cows' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Madrid | Microbiological special tests | 3 | 0 | Brucella | 0 |
| | Cheeses made from goats' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Madrid | Microbiological special tests | 2 | 0 | Brucella | 0 |

Table CAMPYLOBACTER:Campylobacter in animal

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling Details | Method | Sampling unit | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|------------------|---------------|------------------------|--------------------|----------------------|----------------------|------------------|
| SPAIN | Gallus gallus (fowl) - broilers - Slaughterhouse - Spain - animal sample - caecum - Monitoring - EFSA specifications - Official sampling - Objective sampling | N_A | Not Available | slaughter animal batch | 564 | 344 | Campylobacter coli | 120 |
| | | | | | | | Campylobacter jejuni | 259 |
| | Turkeys - fattening flocks - Slaughterhouse - Spain - animal sample - caecum - Monitoring - EFSA specifications - Official sampling - Objective sampling | N_A | Not Available | slaughter animal batch | 566 | 450 | Campylobacter coli | 205 |
| | | | | | | | Campylobacter jejuni | 295 |

Table CAMPYLOBACTER:Campylobacter in food

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|------------------------------|--|--------------------|----------------------|---------------|------------------|
| Not Available | Aioli or garlic sauce - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Detection method presence in x g | 2 | 0 | Campylobacter | 0 |
| | Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | ISO 10272-2:2017 Campylobacter | 4 | 0 | Campylobacter | 0 |
| | Cheeses made from cows' milk - fresh - made from pasteurised milk - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Madrid LAB 2 | Immunological detection or quantification method | 5 | 0 | Campylobacter | 0 |
| | Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña ASPB | ISO 10272-2:2017 Campylobacter | 6 | 0 | Campylobacter | 0 |
| | Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña ASPB | ISO 10272-2:2017 Campylobacter | 3 | 0 | Campylobacter | 0 |
| | Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña ASPB | ISO 10272-2:2017 Campylobacter | 2 | 0 | Campylobacter | 0 |
| | Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 10272-2:2017 Campylobacter | 2 | 0 | Campylobacter | 0 |
| | Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 10272-2:2017 Campylobacter | 5 | 0 | Campylobacter | 0 |
| | Cheeses made from sheep's milk - hard - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 10272-2:2017 Campylobacter | 1 | 0 | Campylobacter | 0 |
| | Cheeses made from sheep's milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 10272-2:2017 Campylobacter | 1 | 0 | Campylobacter | 0 |
| | Cheeses made from sheep's milk - unspecified - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 10272-2:2017 Campylobacter | 1 | 0 | Campylobacter | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña ASPB | ISO 10272-2:2017 Campylobacter | 2 | 0 | Campylobacter | 0 |
| | Cheeses, made from unspecified milk or other animal milk - fresh - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 10272-2:2017 Campylobacter | 1 | 0 | Campylobacter | 0 |
| | Cheeses, made from unspecified milk or other animal milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 10272-2:2017 Campylobacter | 2 | 0 | Campylobacter | 0 |
| | Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 10272-2:2017 Campylobacter | 1 | 0 | Campylobacter | 0 |
| | Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 10272-2:2017 Campylobacter | 1 | 0 | Campylobacter | 0 |
| | | | | | Data from Cataluña ASPB | ISO 10272-2:2017 Campylobacter | 5 | 0 | Campylobacter | 0 |
| | Cheeses, made from unspecified milk or other animal milk - unspecified - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 10272-2:2017 Campylobacter | 1 | 0 | Campylobacter | 0 |
| | Fish - raw - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 10272-2:2017 Campylobacter | 1 | 0 | Campylobacter | 0 |
| | Meat from bovine animals - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Madrid LAB 2 | ISO 10272-1:2017 Campylobacter | 1 | 0 | Campylobacter | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | ISO 10272-2:2017 Campylobacter | 13 | 0 | Campylobacter | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|-----------------------------------|---|--------------------|----------------------|--------------------------------|------------------|
| Not Available | Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | ISO 10272-2:2017 Campylobacter | 8 | 0 | Campylobacter | 0 |
| | Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Madrid LAB 2 | Immunological detection or quantification method | 14 | 0 | Campylobacter | 0 |
| | Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | ISO 10272-2:2017 Campylobacter | 4 | 0 | Campylobacter | 0 |
| | Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | ISO 10272-2:2017 Campylobacter | 5 | 0 | Campylobacter | 0 |
| | Meat from bovine animals and pig - minced meat - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Madrid LAB 2 | Immunological detection or quantification method | 2 | 0 | Campylobacter | 0 |
| | Meat from bovine animals and pig - minced meat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 10272-1:2017 Campylobacter | 1 | 0 | Campylobacter | 0 |
| | Meat from broilers (Gallus gallus) - carcass - chilled - Processing plant - Not Available - food sample - neck skin - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Murcia | ISO 10272-2:2017 Campylobacter | 10 | 1 | Campylobacter, unspecified sp. | 1 |
| | Meat from broilers (Gallus gallus) - carcass - chilled - Slaughterhouse - Not Available - food sample - neck skin - Surveillance - based on Regulation 2073 - Industry sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID Slaughterhouse 1 | Alternative method validated against the reference method ISO 10272-2:2017 Campylobacter | 400 | 55 | Campylobacter, unspecified sp. | 55 |
| | | | | | Data from Navarra | Alternative method validated against the reference method ISO 10272-2:2017 Campylobacter | 300 | 74 | Campylobacter, unspecified sp. | 74 |
| | Meat from broilers (Gallus gallus) - carcass - chilled - Slaughterhouse - Not Available - food sample - neck skin - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 10272-2:2017 Campylobacter | 50 | 50 | Campylobacter, unspecified sp. | 50 |
| | | | | | Data from Comunidad Valenciana | ISO 10272-2:2017 Campylobacter | 250 | 168 | Campylobacter, unspecified sp. | 168 |
| | | | | | Data from Extremadura | ISO 10272-2:2017 Campylobacter | 50 | 37 | Campylobacter, unspecified sp. | 37 |
| | | | | | Data from Navarra | ISO 10272-2:2017 Campylobacter | 300 | 220 | Campylobacter, unspecified sp. | 220 |
| | Meat from broilers (Gallus gallus) - carcass - chilled - Slaughterhouse - Not Available - food sample - neck skin - Surveillance - Industry sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 10272-2:2017 Campylobacter | 2330 | 188 | Campylobacter, unspecified sp. | 188 |
| | | | | | DATA FROM MADRID Slaughterhouse 2 | Alternative method validated against the reference method ISO 10272-2:2017 Campylobacter | 330 | 260 | Campylobacter, unspecified sp. | 260 |
| | Meat from broilers (Gallus gallus) - carcass - chilled - Slaughterhouse - Not Available - food sample - neck skin - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | ISO 10272-2:2017 Campylobacter | 75 | 52 | Campylobacter coli | 14 |
| | | | | | | | | | Campylobacter jejuni | 38 |
| | Meat from broilers (Gallus gallus) - carcass - chilled - Slaughterhouse - Not Available - food sample - neck skin - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 10272-2:2017 Campylobacter | 181 | 181 | Campylobacter, unspecified sp. | 181 |
| | Meat from broilers (Gallus gallus) - carcass - chilled - Slaughterhouse - Not Available - food sample - neck skin - Surveillance - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 10 | Gram | Data from Euskadi | ISO 10272-2:2017 Campylobacter | 45 | 45 | Campylobacter coli | 3 |
| | | | | | | | | | Campylobacter jejuni | 8 |
| | | | | | | | | | Campylobacter, unspecified sp. | 34 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|----------------------------------|--|--------------------|----------------------|--------------------------------|------------------|
| Not Available | Meat from broilers (Gallus gallus) - carcass - chilled - Slaughterhouse - Spain - food sample - neck skin - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 10 | Gram | Data from Andalucia | ISO 10272-2:2017 Campylobacter | 200 | 80 | Campylobacter, unspecified sp. | 80 |
| | Meat from broilers (Gallus gallus) - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Euskadi | ISO 10272-1:2017 Campylobacter | 30 | 25 | Campylobacter, unspecified sp. | 25 |
| | Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 6 | 4 | Campylobacter coli | 1 |
| | | | | | | | | | Campylobacter jejuni | 3 |
| | Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 10272-1:2017 Campylobacter | 8 | 1 | Campylobacter, unspecified sp. | 1 |
| | | | | | Data from Principado de Asturias | ISO 10272-1:2017 Campylobacter | 15 | 10 | Campylobacter coli | 9 |
| | | | | | | | | | Campylobacter jejuni | 1 |
| | Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 10272-2:2017 Campylobacter | 2 | 0 | Campylobacter | 0 |
| | Meat from broilers (Gallus gallus) - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Madrid LAB 2 | ISO 10272-1:2017 Campylobacter | 2 | 0 | Campylobacter | 0 |
| | Meat from broilers (Gallus gallus) - fresh - skinned - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Detection method presence in x g | 2 | 0 | Campylobacter | 0 |
| | Meat from broilers (Gallus gallus) - fresh - skinned - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 10272-1:2017 Campylobacter | 45 | 0 | Campylobacter | 0 |
| | Meat from broilers (Gallus gallus) - fresh - with skin - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 10272-1:2017 Campylobacter | 45 | 0 | Campylobacter | 0 |
| | | | | | Data from Principado de Asturias | ISO 10272-1:2017 Campylobacter | 10 | 10 | Campylobacter coli | 8 |
| | | | | | | | | | Campylobacter jejuni | 2 |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 14 | 1 | Campylobacter coli | 1 |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Euskadi | ISO 10272-1:2017 Campylobacter | 25 | 10 | Campylobacter, unspecified sp. | 10 |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Euskadi | ISO 10272-1:2017 Campylobacter | 1 | 0 | Campylobacter | 0 |
| | | | 25 | Gram | Data from Aragon | ISO 10272-1:2017 Campylobacter | 8 | 3 | Campylobacter, unspecified sp. | 3 |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Murcia | ISO 10272-2:2017 Campylobacter | 3 | 0 | Campylobacter | 0 |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Murcia | ISO 10272-2:2017 Campylobacter | 14 | 5 | Campylobacter, unspecified sp. | 5 |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Murcia | ISO 10272-2:2017 Campylobacter | 1 | 0 | Campylobacter | 0 |
| | Meat from goat - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | ISO 10272-2:2017 Campylobacter | 2 | 0 | Campylobacter | 0 |
| | Meat from goat - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | ISO 10272-2:2017 Campylobacter | 2 | 0 | Campylobacter | 0 |
| | Meat from horse - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | ISO 10272-2:2017 Campylobacter | 9 | 0 | Campylobacter | 0 |
| | Meat from pig - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | ISO 10272-2:2017 Campylobacter | 3 | 0 | Campylobacter | 0 |
| | Meat from pig - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 10272-1:2017 Campylobacter | 3 | 0 | Campylobacter | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|-------------------------|--|--------------------|----------------------|--------------------------------|------------------|
| Not Available | Meat from pig - fresh - frozen - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 10272-1:2017 Campylobacter | 1 | 0 | Campylobacter | 0 |
| | Meat from pig - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Madrid LAB 2 | ISO 10272-1:2017 Campylobacter | 1 | 0 | Campylobacter | 0 |
| | Meat from pig - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | ISO 10272-2:2017 Campylobacter | 5 | 0 | Campylobacter | 0 |
| | | | | | Data from Murcia | ISO 10272-2:2017 Campylobacter | 6 | 1 | Campylobacter, unspecified sp. | 1 |
| | Meat from pig - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | ISO 10272-2:2017 Campylobacter | 2 | 0 | Campylobacter | 0 |
| | | | | | Data from Murcia | ISO 10272-2:2017 Campylobacter | 11 | 1 | Campylobacter, unspecified sp. | 1 |
| | Meat from pig - meat preparation - intended to be eaten raw - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Murcia | ISO 10272-2:2017 Campylobacter | 2 | 0 | Campylobacter | 0 |
| | Meat from pig - meat preparation - intended to be eaten raw - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Murcia | ISO 10272-2:2017 Campylobacter | 11 | 0 | Campylobacter | 0 |
| | Meat from pig - meat products - cooked ham - sliced - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña_ASPB | ISO 10272-2:2017 Campylobacter | 16 | 0 | Campylobacter | 0 |
| | Meat from pig - meat products - cooked, ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Murcia | ISO 10272-2:2017 Campylobacter | 2 | 0 | Campylobacter | 0 |
| | Meat from pig - meat products - meat specialities - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | ISO 10272-2:2017 Campylobacter | 12 | 0 | Campylobacter | 0 |
| | Meat from pig - meat products - meat specialities - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | ISO 10272-2:2017 Campylobacter | 2 | 0 | Campylobacter | 0 |
| | Meat from pig - meat products - pâté - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña_ASPB | ISO 10272-2:2017 Campylobacter | 4 | 0 | Campylobacter | 0 |
| | Meat from pig - meat products - raw ham - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña_ASPB | ISO 10272-2:2017 Campylobacter | 16 | 0 | Campylobacter | 0 |
| | Meat from pig - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Madrid LAB 2 | Immunological detection or quantification method | 3 | 0 | Campylobacter | 0 |
| | Meat from pig - minced meat - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Murcia | ISO 10272-2:2017 Campylobacter | 1 | 0 | Campylobacter | 0 |
| | Meat from quails - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | ISO 10272-2:2017 Campylobacter | 2 | 0 | Campylobacter | 0 |
| | Meat from quails - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | ISO 10272-2:2017 Campylobacter | 5 | 5 | Campylobacter, unspecified sp. | 5 |
| | Meat from rabbit - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | ISO 10272-2:2017 Campylobacter | 4 | 0 | Campylobacter | 0 |
| | Meat from rabbit - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | ISO 10272-2:2017 Campylobacter | 1 | 0 | Campylobacter | 0 |
| | Meat from sheep - fresh - chilled - Cutting plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 10272-1:2017 Campylobacter | 3 | 0 | Campylobacter | 0 |
| | Meat from sheep - fresh - chilled - Packing centre - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 10272-1:2017 Campylobacter | 1 | 1 | Campylobacter jejuni | 1 |
| | Meat from sheep - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | ISO 10272-2:2017 Campylobacter | 1 | 0 | Campylobacter | 0 |
| | Meat from sheep - fresh - chilled - Retail - Not Available - food sample - Monitoring - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 10272-1:2017 Campylobacter | 50 | 5 | Campylobacter coli | 3 |
| | | | | | | | | | Campylobacter jejuni | 2 |
| | Meat from sheep - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 10272-1:2017 Campylobacter | 23 | 5 | Campylobacter jejuni | 1 |
| | | | | | | | | | Campylobacter, unspecified sp. | 4 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|------------------------|--|--------------------|----------------------|--------------------------------|------------------|
| Not Available | Meat from turkey - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | ISO 10272-2:2017 Campylobacter | 10 | 0 | Campylobacter | 0 |
| | Meat from turkey - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 10272-1:2017 Campylobacter | 4 | 3 | Campylobacter, unspecified sp. | 3 |
| | | | | | DATA FROM MADRID LAB 1 | ISO 10272-1:2017 Campylobacter | 50 | 0 | Campylobacter | 0 |
| | Meat from turkey - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Madrid LAB 2 | ISO 10272-1:2017 Campylobacter | 1 | 0 | Campylobacter | 0 |
| | Meat from turkey - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Euskadi | ISO 10272-1:2017 Campylobacter | 5 | 0 | Campylobacter | 0 |
| | Meat, mixed meat - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 10272-1:2017 Campylobacter | 1 | 0 | Campylobacter | 0 |
| | Milk, cows' - raw milk - intended for direct human consumption - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | ISO 10272-2:2017 Campylobacter | 2 | 0 | Campylobacter | 0 |
| | Milk, cows' - raw milk for manufacture - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | ISO 10272-2:2017 Campylobacter | 1 | 0 | Campylobacter | 0 |
| | Milk, goats' - raw milk for manufacture - intended for manufacture of raw or low heat-treated products - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | ISO 10272-2:2017 Campylobacter | 1 | 0 | Campylobacter | 0 |
| | Milk, sheep's - raw milk for manufacture - intended for manufacture of raw or low heat-treated products - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | ISO 10272-2:2017 Campylobacter | 1 | 0 | Campylobacter | 0 |
| | Other processed food products and prepared dishes - fish and seafood based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 10272-1:2017 Campylobacter | 1 | 0 | Campylobacter | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Detection method presence in x g | 4 | 0 | Campylobacter | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 10272-2:2017 Campylobacter | 5 | 0 | Campylobacter | 0 |
| | Other processed food products and prepared dishes - pasta - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 10272-2:2017 Campylobacter | 1 | 0 | Campylobacter | 0 |
| | Other processed food products and prepared dishes - rice based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Detection method presence in x g | 3 | 0 | Campylobacter | 0 |
| | Other processed food products and prepared dishes - rice based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Detection method presence in x g | 1 | 0 | Campylobacter | 0 |
| | Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Catering - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 10272-1:2017 Campylobacter | 5 | 0 | Campylobacter | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Detection method presence in x g | 2 | 0 | Campylobacter | 0 |
| | Ready-to-eat salads - containing mayonnaise - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 10272-2:2017 Campylobacter | 5 | 0 | Campylobacter | 0 |
| | Ready-to-eat salads - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Detection method presence in x g | 1 | 0 | Campylobacter | 0 |
| | Ready-to-eat salads - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 10272-2:2017 Campylobacter | 3 | 0 | Campylobacter | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|--------------------|-----------------------------------|--------------------|----------------------|---------------|------------------|
| Not Available | Vegetables - pre-cut - ready-to-eat - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from La Rioja | ISO 10272-2:2017 Campylobacter | 15 | 0 | Campylobacter | 0 |

Table COXIELLA: in animal

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Method | total units tested | total units positive | Number of Clinical Affected Herds | Zoonoses | N units positive |
|------------------|---|---------------|--------|--------------------|----------------------|-----------------------------------|-------------------|------------------|
| SPAIN | Cattle (bovine animals) - dairy cows - adult - Farm - Spain - animal sample - Monitoring - passive - Official sampling - Suspect sampling | herd/flock | PCR | 45 | 16 | 14 | Coxiella burnetii | 16 |
| | Goats - Farm - Spain - animal sample - Monitoring - passive - Official sampling - Suspect sampling | herd/flock | PCR | 27 | 19 | 12 | Coxiella burnetii | 19 |
| | Sheep - Farm - Spain - animal sample - Monitoring - passive - Official sampling - Suspect sampling | herd/flock | PCR | 150 | 40 | 37 | Coxiella burnetii | 40 |

Table CRONOBACTER:Cronobacter in food

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------------------|---|--------------------|---------------|--------------------|--|--|--------------------|----------------------|-------------|------------------|
| Not Available | Follow-on formulae - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Galicia | ISO 22964:2017 Cronobacter | 12 | 0 | Cronobacter | 0 |
| | Foodstuffs intended for special nutritional uses - dried dietary foods for special medical purposes intended for infants below 6 months - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Principado de Asturias | ISO 22964:2017 Cronobacter | 90 | 0 | Cronobacter | 0 |
| | Foodstuffs intended for special nutritional uses - dried dietary foods for special medical purposes intended for infants below 6 months - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | ISO 22964:2017 Cronobacter | 5 | 0 | Cronobacter | 0 |
| | Foodstuffs intended for special nutritional uses - dried dietary foods for special medical purposes intended for infants below 6 months - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Euskadi | Alternative method validated against the reference method ISO 22964:2017 Cronobacter | 16 | 0 | Cronobacter | 0 |
| | Infant formula - dried - intended for infants below 6 months - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | ISO 22964:2017 Cronobacter | 30 | 0 | Cronobacter | 0 |
| | Infant formula - dried - intended for infants below 6 months - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | ISO 22964:2017 Cronobacter | 30 | 0 | Cronobacter | 0 |
| | Infant formula - dried - intended for infants below 6 months - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | ISO 22964:2017 Cronobacter | 2 | 0 | Cronobacter | 0 |
| Data from Castilla-La Mancha | | | | | ISO 22964:2017 Cronobacter | 3 | 0 | Cronobacter | 0 | |
| Data from Cataluña | | | | | ISO 22964:2017 Cronobacter | 10 | 0 | Cronobacter | 0 | |
| Data from Illes Balears | | | | | ISO 22964:2017 Cronobacter | 20 | 0 | Cronobacter | 0 | |
| DATA FROM MADRID LAB 2 | | | | | ISO 22964:2017 Cronobacter | 5 | 0 | Cronobacter | 0 | |
| | Infant formula - dried - intended for infants below 6 months - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 22964:2017 Cronobacter | 35 | 0 | Cronobacter | 0 |
| Data from Euskadi | | | | | Alternative method validated against the reference method ISO 22964:2017 Cronobacter | 1 | 0 | Cronobacter | 0 | |
| | Infant formula - dried - intended for infants below 6 months - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla y León | ISO 22964:2017 Cronobacter | 3 | 0 | Cronobacter | 0 |
| | Infant formula - dried - intended for infants below 6 months - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | ISO 22964:2017 Cronobacter | 120 | 0 | Cronobacter | 0 |
| | Infant formula - dried - intended for infants below 6 months - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 22964:2017 Cronobacter | 3 | 0 | Cronobacter | 0 |
| | Infant formula - dried - intended for infants below 6 months - Wholesale - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla y León | ISO 22964:2017 Cronobacter | 1 | 0 | Cronobacter | 0 |
| | Infant formula - dried - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Illes Balears | ISO 22964:2017 Cronobacter | 10 | 0 | Cronobacter | 0 |
| | Infant formula - dried - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla y León | ISO 22964:2017 Cronobacter | 1 | 0 | Cronobacter | 0 |
| | Infant formula - dried - Wholesale - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla y León | ISO 22964:2017 Cronobacter | 1 | 0 | Cronobacter | 0 |
| | Infant formula - liquid - intended for infants below 6 months - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Galicia | ISO 22964:2017 Cronobacter | 8 | 0 | Cronobacter | 0 |

Table CYSTICERCUS:Cysticercus in animal

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling Details | Method | Sampling unit | total units | | Zoonoses | N units positive |
|--|--|----------------------------------|-------------------|---------------|-------------|------------------------------|--------------------------------|------------------|
| | | | | | tested | positive | | |
| Not Available | Cattle (bovine animals) - adult cattle over 2 years - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 114359 | 1 | Cysticercus, unspecified sp. | 1 |
| | Cattle (bovine animals) - calves (under 1 year) - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Principado de Asturias | Visual inspection | animal | 18191 | 0 | Cysticercus | 0 |
| | Cattle (bovine animals) - meat production animals - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Navarra | Visual inspection | animal | 57079 | 9 | Cysticercus, unspecified sp. | 9 |
| | Cattle (bovine animals) - meat production animals - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Comunidad Valenciana | Visual inspection | animal | 285360 | 1 | Cysticercus of Taenia saginata | 1 |
| | | Data from Euskadi | Visual inspection | animal | 39001 | 0 | Cysticercus | 0 |
| | | Data from Extremadura | Visual inspection | animal | 228357 | 0 | Cysticercus | 0 |
| | | Data from Galicia | Visual inspection | animal | 394030 | 28 | Cysticercus, unspecified sp. | 28 |
| | | Data from Murcia | Visual inspection | animal | 61821 | 0 | Cysticercus | 0 |
| | Cattle (bovine animals) - mixed herds - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Cantabria | Visual inspection | animal | 36390 | 0 | Cysticercus | 0 |
| | Cattle (bovine animals) - others - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 316423 | 0 | Cysticercus | 0 |
| | | Data from Principado de Asturias | Visual inspection | animal | 41589 | 2 | Cysticercus, unspecified sp. | 2 |
| | Cattle (bovine animals) - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Canarias | Visual inspection | animal | 13504 | 0 | Cysticercus | 0 |
| | Cattle (bovine animals) - Slaughterhouse - Portugal - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 3373 | 0 | Cysticercus | 0 |
| | Cattle (bovine animals) - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 102424 | 0 | Cysticercus | 0 |
| | | Data from Castilla-La Mancha | Visual inspection | animal | 199737 | 1 | Cysticercus, unspecified sp. | 1 |
| | | Data from Catalunya | Visual inspection | animal | 523387 | 46 | Cysticercus, unspecified sp. | 46 |
| | | Data from Madrid | Visual inspection | animal | 151008 | 0 | Cysticercus | 0 |
| | Cattle (bovine animals) - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Suspect sampling | Data from Catalunya | Histology | animal | 9 | 1 | Cysticercus of Taenia saginata | 1 |
| | Deer - farmed - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 3890 | 0 | Cysticercus | 0 |
| | Deer - wild - fallow deer - Game handling establishment - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla-La Mancha | Visual inspection | animal | 8240 | 0 | Cysticercus | 0 |
| | Deer - wild - fallow deer - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 828 | 0 | Cysticercus | 0 |
| | Deer - wild - Game handling establishment - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 80553 | 4 | Cysticercus, unspecified sp. | 4 |
| | | Data from Castilla-La Mancha | Visual inspection | animal | 43642 | 0 | Cysticercus | 0 |
| Deer - wild - red deer - Game handling establishment - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 104 | 0 | Cysticercus | 0 | |
| Deer - wild - red deer - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Census | Data from Madrid | Visual inspection | animal | 52 | 0 | Cysticercus | 0 | |
| Deer - wild - red deer - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 1700 | 0 | Cysticercus | 0 | |
| Deer - wild - roe deer - Game handling establishment - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla-La Mancha | Visual inspection | animal | 1776 | 0 | Cysticercus | 0 | |
| | Data from Catalunya | Visual inspection | animal | 729 | 1 | Cysticercus, unspecified sp. | 1 | |
| Deer - wild - roe deer - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 2 | 0 | Cysticercus | 0 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling Details | Method | Sampling unit | total units | total units | Zoonoses | N units positive |
|------------------|--|--------------------------------|-------------------|---------------|-------------|-------------|------------------------------|------------------|
| | | | | | tested | positive | | |
| Not Available | Deer - wild - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 54 | 0 | Cysticercus | 0 |
| | Goats - animals over 1 year - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 34324 | 1699 | Cysticercus, unspecified sp. | 1,699 |
| | Goats - animals under 1 year - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 73497 | 3977 | Cysticercus, unspecified sp. | 3,977 |
| | Goats - meat production animals - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Extremadura | Visual inspection | animal | 8997 | 0 | Cysticercus | 0 |
| | | Data from Galicia | Visual inspection | animal | 7084 | 253 | Cysticercus, unspecified sp. | 253 |
| | Goats - mixed herds - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Cantabria | Visual inspection | animal | 491 | 0 | Cysticercus | 0 |
| | Goats - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Canarias | Visual inspection | animal | 42968 | 85 | Cysticercus, unspecified sp. | 85 |
| | Goats - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 516678 | 4399 | Cysticercus, unspecified sp. | 4,399 |
| | | Data from Castilla-La Mancha | Visual inspection | animal | 97680 | 3504 | Cysticercus, unspecified sp. | 3,504 |
| | | Data from Catalunya | Visual inspection | animal | 75530 | 2569 | Cysticercus, unspecified sp. | 2,569 |
| | | Data from Madrid | Visual inspection | animal | 13835 | 1304 | Cysticercus, unspecified sp. | 1,304 |
| | Mouffons - wild - Game handling establishment - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 5006 | 0 | Cysticercus | 0 |
| | | Data from Castilla-La Mancha | Visual inspection | animal | 2911 | 0 | Cysticercus | 0 |
| | | Data from Catalunya | Visual inspection | animal | 193 | 2 | Cysticercus, unspecified sp. | 2 |
| | Mouffons - wild - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 268 | 0 | Cysticercus | 0 |
| | Mountain goats - wild - Game handling establishment - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla-La Mancha | Visual inspection | animal | 1 | 0 | Cysticercus | 0 |
| | Pigs - breeding animals - others - not raised under controlled housing conditions - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 14342 | 0 | Cysticercus | 0 |
| | Pigs - breeding animals - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Murcia | Visual inspection | animal | 60919 | 0 | Cysticercus | 0 |
| | Pigs - fattening pigs - others - not raised under controlled housing conditions - Farm - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Census | Data from Madrid | Visual inspection | animal | 38 | 0 | Cysticercus | 0 |
| | Pigs - fattening pigs - others - not raised under controlled housing conditions - outdoors - Farm - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 2177 | 76 | Cysticercus, unspecified sp. | 76 |
| | | Data from Extremadura | Visual inspection | animal | 4940 | 0 | Cysticercus | 0 |
| | Pigs - fattening pigs - others - not raised under controlled housing conditions - piglets - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 391995 | 0 | Cysticercus | 0 |
| | Pigs - fattening pigs - others - not raised under controlled housing conditions - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Navarra | Visual inspection | animal | 22082 | 16 | Cysticercus, unspecified sp. | 16 |
| | Pigs - fattening pigs - others - not raised under controlled housing conditions - Slaughterhouse - Portugal - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 24070 | 0 | Cysticercus | 0 |
| | Pigs - fattening pigs - others - not raised under controlled housing conditions - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 3281615 | 363 | Cysticercus, unspecified sp. | 363 |
| | | Data from Cantabria | Visual inspection | animal | 697 | 0 | Cysticercus | 0 |
| | | Data from Castilla y León | Visual inspection | animal | 5908464 | 3 | Cysticercus, unspecified sp. | 3 |
| | | Data from Comunidad Valenciana | Visual inspection | animal | 1373562 | 0 | Cysticercus | 0 |
| | | Data from Euskadi | Visual inspection | animal | 12727 | 0 | Cysticercus | 0 |
| | | Data from Extremadura | Visual inspection | animal | 482950 | 1 | Cysticercus, unspecified sp. | 1 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling Details | Method | Sampling unit | total units | total units | Zoonoses | N units positive |
|------------------|--|----------------------------------|-------------------|---------------|-------------|-------------|------------------------------|------------------|
| | | | | | tested | positive | | |
| Not Available | Pigs - fattening pigs - others - not raised under controlled housing conditions - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Galicia | Visual inspection | animal | 964499 | 154 | Cysticercus, unspecified sp. | 154 |
| | | Data from Principado de Asturias | Visual inspection | animal | 45369 | 0 | Cysticercus | 0 |
| | Pigs - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Canarias | Visual inspection | animal | 62278 | 1 | Cysticercus, unspecified sp. | 1 |
| | Pigs - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla-La Mancha | Visual inspection | animal | 4065409 | 143 | Cysticercus, unspecified sp. | 143 |
| | | Data from Catalunya | Visual inspection | animal | 23397087 | 1873 | Cysticercus, unspecified sp. | 1,873 |
| | Sheep - animals over 1 year - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 388964 | 6283 | Cysticercus, unspecified sp. | 6,283 |
| | Sheep - animals under 1 year (lambs) - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 2979301 | 40865 | Cysticercus, unspecified sp. | 40,865 |
| | Sheep - meat production animals - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Extremadura | Visual inspection | animal | 231677 | 0 | Cysticercus | 0 |
| | | Data from Galicia | Visual inspection | animal | 32947 | 1774 | Cysticercus, unspecified sp. | 1,774 |
| | Sheep - mixed herds - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Cantabria | Visual inspection | animal | 395 | 0 | Cysticercus | 0 |
| | Sheep - Slaughterhouse - France - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 1817 | 0 | Cysticercus | 0 |
| | Sheep - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Canarias | Visual inspection | animal | 11980 | 27 | Cysticercus, unspecified sp. | 27 |
| | Sheep - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 484184 | 3582 | Cysticercus, unspecified sp. | 3,582 |
| | | Data from Castilla-La Mancha | Visual inspection | animal | 1262183 | 60300 | Cysticercus, unspecified sp. | 60,300 |
| | | Data from Catalunya | Visual inspection | animal | 1066666 | 45595 | Cysticercus, unspecified sp. | 45,595 |
| | | Data from Madrid | Visual inspection | animal | 126458 | 5487 | Cysticercus, unspecified sp. | 5,487 |
| | Solipeds, domestic - horses - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Cantabria | Visual inspection | animal | 578 | 0 | Cysticercus | 0 |
| | Solipeds, domestic - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 474 | 0 | Cysticercus | 0 |
| | | Data from Castilla y León | Visual inspection | animal | 2816 | 20 | Cysticercus, unspecified sp. | 20 |
| | | Data from Castilla-La Mancha | Visual inspection | animal | 6 | 0 | Cysticercus | 0 |
| | Wild boars - farmed - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 1092 | 0 | Cysticercus | 0 |
| | Wild boars - wild - Game handling establishment - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 68532 | 33 | Cysticercus, unspecified sp. | 33 |
| | | Data from Castilla-La Mancha | Visual inspection | animal | 43509 | 0 | Cysticercus | 0 |
| | | Data from Catalunya | Visual inspection | animal | 15827 | 43 | Cysticercus, unspecified sp. | 43 |
| | Wild boars - wild - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Census | Data from Madrid | Visual inspection | animal | 521 | 0 | Cysticercus | 0 |
| | Wild boars - wild - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 1196 | 0 | Cysticercus | 0 |
| | Wild boars - wild - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 29 | 0 | Cysticercus | 0 |

Table ECHINOCOCCUS:Echinococcus in animal

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling Details | Method | Sampling unit | total units | | Zoonoses | N units positive |
|------------------|--|----------------------------------|-------------------|---------------|-------------|----------|------------------------------------|------------------|
| | | | | | unit tested | positive | | |
| Not Available | Cattle (bovine animals) - adult cattle over 2 years - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 114359 | 1165 | Echinococcus granulosus sensu lato | 1,165 |
| | Cattle (bovine animals) - calves (under 1 year) - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Principado de Asturias | Visual inspection | animal | 18191 | 0 | Echinococcus | 0 |
| | Cattle (bovine animals) - meat production animals - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Navarra | Visual inspection | animal | 57079 | 390 | Echinococcus granulosus sensu lato | 390 |
| | Cattle (bovine animals) - meat production animals - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Euskadi | Visual inspection | animal | 39001 | 17 | Echinococcus granulosus sensu lato | 17 |
| | | Data from Extremadura | Visual inspection | animal | 228357 | 1828 | Echinococcus granulosus sensu lato | 1,828 |
| | | Data from Galicia | Visual inspection | animal | 394030 | 4742 | Echinococcus granulosus sensu lato | 4,742 |
| | Cattle (bovine animals) - mixed herds - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Cantabria | Visual inspection | animal | 36390 | 177 | Echinococcus granulosus sensu lato | 177 |
| | Cattle (bovine animals) - others - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 316423 | 62 | Echinococcus granulosus sensu lato | 62 |
| | | Data from Principado de Asturias | Visual inspection | animal | 41589 | 170 | Echinococcus granulosus sensu lato | 170 |
| | Cattle (bovine animals) - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from La Rioja | Visual inspection | animal | 7192 | 0 | Echinococcus | 0 |
| | Cattle (bovine animals) - Slaughterhouse - Portugal - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 3373 | 70 | Echinococcus granulosus sensu lato | 70 |
| | Cattle (bovine animals) - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 102424 | 298 | Echinococcus granulosus sensu lato | 298 |
| | | Data from Canarias | Visual inspection | animal | 13504 | 0 | Echinococcus | 0 |
| | | Data from Castilla-La Mancha | Visual inspection | animal | 199737 | 312 | Echinococcus granulosus sensu lato | 312 |
| | | Data from Catalunya | Visual inspection | animal | 523387 | 220 | Echinococcus granulosus sensu lato | 220 |
| | | Data from Comunidad Valenciana | Visual inspection | animal | 285360 | 36 | Echinococcus granulosus sensu lato | 36 |
| | | Data from Madrid | Visual inspection | animal | 151008 | 6404 | Echinococcus granulosus sensu lato | 6,404 |
| | Deer - farmed - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 3890 | 0 | Echinococcus | 0 |
| | Deer - wild - fallow deer - Game handling establishment - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla-La Mancha | Visual inspection | animal | 8240 | 0 | Echinococcus | 0 |
| | Deer - wild - fallow deer - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 828 | 0 | Echinococcus | 0 |
| | Deer - wild - Game handling establishment - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 80553 | 0 | Echinococcus | 0 |
| | | Data from Castilla-La Mancha | Visual inspection | animal | 43642 | 0 | Echinococcus | 0 |
| | | Data from Extremadura | Visual inspection | animal | 53852 | 0 | Echinococcus | 0 |
| | | Data from Principado de Asturias | Visual inspection | animal | 8 | 0 | Echinococcus | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling Details | Method | Sampling unit | total units | | Zoonoses | N units positive |
|------------------|--|----------------------------------|-------------------|---------------|-------------|----------|------------------------------------|------------------|
| | | | | | tested | positive | | |
| Not Available | Deer - wild - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Extremadura | Visual inspection | animal | 35014 | 1 | Echinococcus granulosus sensu lato | 1 |
| | Deer - wild - red deer - Game handling establishment - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 104 | 0 | Echinococcus | 0 |
| | Deer - wild - red deer - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Census | Data from Madrid | Visual inspection | animal | 52 | 0 | Echinococcus | 0 |
| | Deer - wild - red deer - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 1700 | 0 | Echinococcus | 0 |
| | Deer - wild - roe deer - Game handling establishment - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla-La Mancha | Visual inspection | animal | 1776 | 0 | Echinococcus | 0 |
| | Deer - wild - roe deer - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 2 | 0 | Echinococcus | 0 |
| | Deer - wild - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 54 | 0 | Echinococcus | 0 |
| | Goats - animals over 1 year - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 34324 | 398 | Echinococcus granulosus sensu lato | 398 |
| | | Data from Murcia | Visual inspection | animal | 45092 | 140 | Echinococcus granulosus sensu lato | 140 |
| | | Data from Principado de Asturias | Visual inspection | animal | 538 | 0 | Echinococcus | 0 |
| | Goats - animals under 1 year - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 73497 | 63 | Echinococcus granulosus sensu lato | 63 |
| | | Data from Principado de Asturias | Visual inspection | animal | 2326 | 0 | Echinococcus | 0 |
| | Goats - meat production animals - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Catalunya | Visual inspection | animal | 75530 | 1 | Echinococcus granulosus sensu lato | 1 |
| | | Data from Comunidad Valenciana | Visual inspection | animal | 40815 | 0 | Echinococcus | 0 |
| | | Data from Extremadura | Visual inspection | animal | 8997 | 7 | Echinococcus granulosus sensu lato | 7 |
| | | Data from Galicia | Visual inspection | animal | 7084 | 38 | Echinococcus granulosus sensu lato | 38 |
| | Goats - mixed herds - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Cantabria | Visual inspection | animal | 491 | 0 | Echinococcus | 0 |
| | Goats - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from La Rioja | Visual inspection | animal | 339140 | 0 | Echinococcus | 0 |
| | | Data from Navarra | Visual inspection | animal | 6814 | 0 | Echinococcus | 0 |
| | Goats - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 516678 | 3522 | Echinococcus granulosus sensu lato | 3,522 |
| | | Data from Canarias | Visual inspection | animal | 42968 | 0 | Echinococcus | 0 |
| | | Data from Castilla-La Mancha | Visual inspection | animal | 97680 | 283 | Echinococcus granulosus sensu lato | 283 |
| | | Data from Madrid | Visual inspection | animal | 13835 | 14 | Echinococcus granulosus sensu lato | 14 |
| | Mouflons - wild - Game handling establishment - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 5006 | 0 | Echinococcus | 0 |
| | | Data from Castilla-La Mancha | Visual inspection | animal | 2911 | 0 | Echinococcus | 0 |
| | Mouflons - wild - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 268 | 0 | Echinococcus | 0 |
| | Mountain goats - wild - Game handling establishment - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla-La Mancha | Visual inspection | animal | 1 | 0 | Echinococcus | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling Details | Method | Sampling unit | total units | | Zoonoses | N units positive |
|---|---|----------------------------------|-------------------|---------------|-------------|------------------------------------|------------------------------------|------------------|
| | | | | | tested | positive | | |
| Not Available | Pigs - breeding animals - others - not raised under controlled housing conditions - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 14342 | 74 | Echinococcus granulosus sensu lato | 74 |
| | Pigs - fattening pigs - others - not raised under controlled housing conditions - Farm - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Census | Data from Madrid | Visual inspection | animal | 38 | 0 | Echinococcus | 0 |
| | Pigs - fattening pigs - others - not raised under controlled housing conditions - outdoors - Farm - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 2177 | 3 | Echinococcus granulosus sensu lato | 3 |
| | | Data from Extremadura | Visual inspection | animal | 4940 | 42 | Echinococcus granulosus sensu lato | 42 |
| | Pigs - fattening pigs - others - not raised under controlled housing conditions - outdoors - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Extremadura | Visual inspection | animal | 482950 | 277 | Echinococcus granulosus sensu lato | 277 |
| | Pigs - fattening pigs - others - not raised under controlled housing conditions - piglets - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 391995 | 0 | Echinococcus | 0 |
| | Pigs - fattening pigs - others - not raised under controlled housing conditions - Slaughterhouse - Portugal - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 24070 | 0 | Echinococcus | 0 |
| | Pigs - fattening pigs - others - not raised under controlled housing conditions - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 3281615 | 1 | Echinococcus granulosus sensu lato | 1 |
| | | Data from Cantabria | Visual inspection | animal | 697 | 0 | Echinococcus | 0 |
| | | Data from Castilla y León | Visual inspection | animal | 5908464 | 326 | Echinococcus granulosus sensu lato | 326 |
| | | Data from Galicia | Visual inspection | animal | 964499 | 3 | Echinococcus granulosus sensu lato | 3 |
| | | Data from Principado de Asturias | Visual inspection | animal | 45369 | 0 | Echinococcus | 0 |
| | Pigs - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from La Rioja | Visual inspection | animal | 22183 | 0 | Echinococcus | 0 |
| | Pigs - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Canarias | Visual inspection | animal | 62278 | 0 | Echinococcus | 0 |
| | | Data from Castilla-La Mancha | Visual inspection | animal | 4065409 | 250 | Echinococcus granulosus sensu lato | 250 |
| | | Data from Catalunya | Visual inspection | animal | 23397087 | 910 | Echinococcus granulosus sensu lato | 910 |
| | | Data from Comunidad Valenciana | Visual inspection | animal | 1373562 | 24 | Echinococcus granulosus sensu lato | 24 |
| | Sheep - animals over 1 year - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 388964 | 13509 | Echinococcus granulosus sensu lato | 13,509 |
| | | Data from Euskadi | Visual inspection | animal | 62190 | 0 | Echinococcus | 0 |
| | | Data from Murcia | Visual inspection | animal | 242703 | 950 | Echinococcus granulosus sensu lato | 950 |
| | | Data from Principado de Asturias | Visual inspection | animal | 1400 | 10 | Echinococcus granulosus sensu lato | 10 |
| Sheep - animals under 1 year (lambs) - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 2979301 | 328 | Echinococcus granulosus sensu lato | 328 | |
| | Data from Principado de Asturias | Visual inspection | animal | 9668 | 0 | Echinococcus | 0 | |
| Sheep - meat production animals - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Catalunya | Visual inspection | animal | 1066666 | 49 | Echinococcus granulosus sensu lato | 49 | |
| | Data from Comunidad Valenciana | Visual inspection | animal | 548355 | 156 | Echinococcus granulosus sensu lato | 156 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling Details | Method | Sampling unit | total units | | Zoonoses | N units positive |
|----------------------------------|--|---------------------------|-------------------|---------------|-------------|------------------------------------|------------------------------------|------------------|
| | | | | | tested | positive | | |
| Not Available | Sheep - meat production animals - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Extremadura | Visual inspection | animal | 231677 | 64 | Echinococcus granulosus sensu lato | 64 |
| | | Data from Galicia | Visual inspection | animal | 32947 | 214 | Echinococcus granulosus sensu lato | 214 |
| | Sheep - mixed herds - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Cantabria | Visual inspection | animal | 395 | 0 | Echinococcus | 0 |
| | Sheep - Slaughterhouse - France - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 1817 | 0 | Echinococcus | 0 |
| | Sheep - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Navarra | Visual inspection | animal | 172452 | 9 | Echinococcus granulosus sensu lato | 9 |
| | Sheep - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 484184 | 4973 | Echinococcus granulosus sensu lato | 4,973 |
| Data from Canarias | | Visual inspection | animal | 11980 | 0 | Echinococcus | 0 | |
| Data from Castilla-La Mancha | | Visual inspection | animal | 1262183 | 14837 | Echinococcus granulosus sensu lato | 14,837 | |
| Data from Madrid | | Visual inspection | animal | 126458 | 2302 | Echinococcus granulosus sensu lato | 2,302 | |
| | Solipeds, domestic - donkeys - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Catalunya | Visual inspection | animal | 6 | 0 | Echinococcus | 0 |
| | Solipeds, domestic - horses - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from La Rioja | Visual inspection | animal | 13 | 0 | Echinococcus | 0 |
| | Solipeds, domestic - horses - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Cantabria | Visual inspection | animal | 578 | 0 | Echinococcus | 0 |
| Data from Catalunya | | Visual inspection | animal | 1428 | 1 | Echinococcus granulosus sensu lato | 1 | |
| Data from Principado de Asturias | | Visual inspection | animal | 1664 | 0 | Echinococcus | 0 | |
| | Solipeds, domestic - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 474 | 0 | Echinococcus | 0 |
| Data from Castilla y León | | Visual inspection | animal | 2816 | 3 | Echinococcus granulosus sensu lato | 3 | |
| Data from Castilla-La Mancha | | Visual inspection | animal | 6 | 0 | Echinococcus | 0 | |
| | Wild boars - farmed - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 1092 | 0 | Echinococcus | 0 |
| | Wild boars - wild - Game handling establishment - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 68532 | 7 | Echinococcus granulosus sensu lato | 7 |
| Data from Castilla-La Mancha | | Visual inspection | animal | 43509 | 0 | Echinococcus | 0 | |
| Data from Extremadura | | Visual inspection | animal | 46572 | 0 | Echinococcus | 0 | |
| Data from Principado de Asturias | | Visual inspection | animal | 288 | 1 | Echinococcus granulosus sensu lato | 1 | |
| | Wild boars - wild - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Census | Data from Madrid | Visual inspection | animal | 521 | 0 | Echinococcus | 0 |
| | Wild boars - wild - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Extremadura | Visual inspection | animal | 19317 | 0 | Echinococcus | 0 |
| Data from Madrid | | Visual inspection | animal | 1196 | 0 | Echinococcus | 0 | |
| | Wild boars - wild - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 29 | 0 | Echinococcus | 0 |

Table ESCHERICHIA COLI:Escherichia coli in food

Section: STEC - food and feed

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | ANTH | VTX | AG | N units positive |
|------------------|--|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|---|---------------|---------------|---------------|------------------|
| Not Available | Aioli or garlic sauce - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | AFNOR BIO 12/25 05/09, ELFA method for E. coli O157 | 2 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Bakery products - cakes - containing heat-treated cream - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | AFNOR BIO 12/25 05/09, ELFA method for E. coli O157 | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Cheeses made from cows' milk - fresh - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-time PCR (BAX) followed by Whole Genome Sequencing of the isolate | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Cheeses made from cows' milk - hard - made from pasteurised milk - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | In house real time PCR methods based on ISO/TS 13136:2012 | 5 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 6 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 3 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Cheeses made from goats' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | AFNOR BIO 12/25 05/09, ELFA method for E. coli O157 | 4 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Cheeses made from goats' milk - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | AFNOR BIO 12/25 05/09, ELFA method for E. coli O157 | 4 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 2 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Cheeses made from goats' milk - unspecified - made from raw or low heat-treated milk - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | In house real time PCR methods based on ISO/TS 13136:2012 | 5 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | In house real time PCR methods based on ISO/TS 13136:2012 | 5 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Cheeses made from sheep's milk - unspecified - made from raw or low heat-treated milk - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | In house real time PCR methods based on ISO/TS 13136:2012 | 5 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Cheeses made from sheep's milk - unspecified - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | In house real time PCR methods based on ISO/TS 13136:2012 | 5 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 2 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Cheeses, made from unspecified milk or other animal milk - hard - made from pasteurised milk - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | ANTH | VTX | AG | N units positive |
|------------------|---|--------------------|---------------|--------------------|-------------------------|--|--------------------|----------------------|---|---------------|---------------|---------------|------------------|
| Not Available | Cheeses, made from unspecified milk or other animal milk - hard - made from raw or low heat-treated milk - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 9 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 4 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 5 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Coriander - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 5 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Fruits - non-pre-cut - chilled - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 90 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Fruits - non-pre-cut - frozen - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 10 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Fruits - non-pre-cut - frozen - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 2 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Fruits - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 4 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Fruits - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Fruits - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-time PCR (BAX) followed by Whole Genome Sequencing of the isolate | 16 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Fruits - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | AFNOR BIO 12/25 05/09, ELFA method for E. coli O157 | 8 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Fruits - whole - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | AFNOR BIO 12/25 05/09, ELFA method for E. coli O157 | 2 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Fruits and vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 50 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Juice - fruit juice - unpasteurised - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from Aragon | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | ANTH | VTX | AG | N units positive |
|------------------|--|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|---|-------------------|--|---------------|------------------|
| Not Available | Juice - fruit juice - unpasteurised - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Juice - fruit juice - unpasteurised - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from Aragon | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Juice - vegetable juice - unpasteurised - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Juice - vegetable juice - unpasteurised - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from Aragon | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 10 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from bovine animals - carcass - chilled - Slaughterhouse - Not Available - food sample - carcass swabs - Surveillance - Official sampling - Objective sampling | single (food/feed) | 400 | Square centimetre | Data from Canarias | AFNOR BIO 12/25 05/09, ELFA method for E. coli O157 | 5 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from bovine animals - fresh - chilled - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 20 | 5 | STEC, unspecified | Not Available | stx2, gene identified, subtype unspecified; stx1, gene identified, subtype unspecified | eae negative | 5 |
| | Meat from bovine animals - fresh - chilled - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | N_A | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 15 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from bovine animals - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 5 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from bovine animals - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 90 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from bovine animals - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 2 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from bovine animals - fresh - frozen - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 50 | 1 | STEC, unspecified | Not Available | stx2, gene identified, subtype unspecified; stx1, gene identified, subtype unspecified | eae negative | 1 |
| | Meat from bovine animals - fresh - frozen - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | N_A | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 50 | 5 | STEC, unspecified | Not Available | stx2, gene identified, subtype unspecified; stx1, gene identified, subtype unspecified | eae negative | 5 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | In house real time PCR methods based on ISO/TS 13136:2012 | 5 | 1 | STEC non-O157 | Not Available | stx2, gene identified, subtype unspecified | eae negative | 1 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 10 | 1 | STEC O26 | H-antigen unknown | stx2, gene identified, subtype unspecified | eae negative | 1 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | ANTH | VTX | AG | N units positive |
|------------------|--|--------------------|---------------|--------------------|----------------------------------|--|--------------------|----------------------|---|-------------------|--|---------------|------------------|
| Not Available | Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | In house real time PCR methods based on ISO/TS 13136:2012 | 20 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-time PCR (BAX) followed by Whole Genome Sequencing of the isolate | 6 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 21 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 5 | 1 | STEC O103 | H-antigen unknown | stx2, gene identified, subtype unspecified | eae negative | 1 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | In house real time PCR methods based on ISO/TS 13136:2012 | 5 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | | | | | Data from Euskadi | In house real time PCR methods based on ISO/TS 13136:2012 | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-time PCR (BAX) followed by Whole Genome Sequencing of the isolate | 7 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Madrid LAB 2 | AFNOR BIO 12/25 05/09, ELFA method for E. coli O157 | 3 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from bovine animals - meat products - raw and intended to be eaten raw - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 50 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Madrid LAB 2 | AFNOR BIO 12/25 05/09, ELFA method for E. coli O157 | 41 | 1 | STEC O157 | H7 | stx1, gene identified, subtype unspecified | eae positive | 1 |
| | Meat from bovine animals - minced meat - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from bovine animals - minced meat - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 4 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from bovine animals - minced meat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 3 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | In house real time PCR methods based on ISO/TS 13136:2012 | 4 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-time PCR (BAX) followed by Whole Genome Sequencing of the isolate | 4 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | ANTH | VTX | AG | N units positive |
|----------------------------------|---|--------------------|---------------|--------------------|--|--|--------------------|---|---|-------------------|--|---------------|------------------|
| Not Available | Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 5 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| Data from Principado de Asturias | | | | | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 5 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 | |
| | Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 2 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | In house real time PCR methods based on ISO/TS 13136:2012 | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | AFNOR BIO 12/25 05/09, ELFA method for E. coli O157 | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from bovine animals and pig - meat preparation - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from bovine animals and pig - minced meat - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from bovine animals and pig - minced meat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from broilers (Gallus gallus) - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 10 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 14 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from goat - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-time PCR (BAX) followed by Whole Genome Sequencing of the isolate | 2 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from goat - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-time PCR (BAX) followed by Whole Genome Sequencing of the isolate | 2 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from horse - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 9 | 1 | STEC O157 | H-antigen unknown | stx2, gene identified, subtype unspecified | eae positive | 1 |
| | Meat from horse - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | In house real time PCR methods based on ISO/TS 13136:2012 | 5 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from other animal species or not specified - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | ANTH | VTX | AG | N units positive |
|------------------|---|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|---|---------------|---------------|---------------|------------------|
| Not Available | Meat from other animal species or not specified - meat preparation - intended to be eaten cooked - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 4 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from other animal species or not specified - meat preparation - intended to be eaten cooked - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 2 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from pig - carcass - chilled - Slaughterhouse - Not Available - food sample - carcass swabs - Surveillance - Official sampling - Objective sampling | single (food/feed) | 400 | Square centimetre | Data from Canarias | AFNOR BIO 12/25 05/09, ELFA method for E. coli O157 | 5 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from pig - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-time PCR (BAX) followed by Whole Genome Sequencing of the isolate | 3 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from pig - meat preparation - intended to be eaten cooked - chilled - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | In house real time PCR methods based on ISO/TS 13136:2012 | 15 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from pig - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | In house real time PCR methods based on ISO/TS 13136:2012 | 10 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from pig - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-time PCR (BAX) followed by Whole Genome Sequencing of the isolate | 7 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | In house real time PCR methods based on ISO/TS 13136:2012 | 4 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from pig - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from pig - meat preparation - intended to be eaten cooked - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 3 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from pig - meat products - cooked ham - sliced - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 16 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from pig - meat products - cooked, ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from pig - meat products - fermented sausages - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | In house real time PCR methods based on ISO/TS 13136:2012 | 5 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from pig - meat products - meat specialities - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | In house real time PCR methods based on ISO/TS 13136:2012 | 5 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from pig - meat products - meat specialities - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-time PCR (BAX) followed by Whole Genome Sequencing of the isolate | 12 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | ANTH | VTX | AG | N units positive |
|------------------|--|--------------------|---------------|--------------------|------------------------------|--|--------------------|----------------------|---|---------------|---------------|---------------|------------------|
| Not Available | Meat from pig - meat products - meat specialties - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-time PCR (BAX) followed by Whole Genome Sequencing of the isolate | 2 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from pig - meat products - pâté - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 4 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from pig - meat products - raw and intended to be eaten raw - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 3 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from pig - meat products - raw ham - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from pig - meat products - raw ham - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 16 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from pig - minced meat - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from pig - minced meat - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 3 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 2 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from quails - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 2 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from quails - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 5 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from rabbit - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-time PCR (BAX) followed by Whole Genome Sequencing of the isolate | 4 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from rabbit - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-time PCR (BAX) followed by Whole Genome Sequencing of the isolate | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat from sheep - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-time PCR (BAX) followed by Whole Genome Sequencing of the isolate | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | ANTH | VTX | AG | N units positive |
|------------------|---|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|---|---------------|---------------|---------------|------------------|
| Not Available | Meat from turkey - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 10 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat, mixed meat - meat preparation - intended to be eaten cooked - chilled - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | In house real time PCR methods based on ISO/TS 13136:2012 | 15 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat, mixed meat - meat preparation - intended to be eaten cooked - frozen - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | In house real time PCR methods based on ISO/TS 13136:2012 | 5 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Meat, mixed meat - minced meat - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Milk, cows' - raw milk - intended for direct human consumption - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-time PCR (BAX) followed by Whole Genome Sequencing of the isolate | 2 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Milk, cows' - raw milk for manufacture - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Milk, goats' - raw milk for manufacture - intended for manufacture of raw or low heat-treated products - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Milk, sheep's - raw milk for manufacture - intended for manufacture of raw or low heat-treated products - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Okra - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 5 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Onion - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 70 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | AFNOR BIO 12/25 05/09, ELFA method for E. coli O157 | 5 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Other processed food products and prepared dishes - meat based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | AFNOR BIO 12/25 05/09, ELFA method for E. coli O157 | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | ANTH | VTX | AG | N units positive |
|------------------------------|--|--------------------|---------------|--------------------|--|--|--------------------|---|---|---------------|---------------|---------------|------------------|
| Not Available | Other processed food products and prepared dishes - pasta based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | AFNOR BIO 12/25 05/09, ELFA method for E. coli O157 | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Other processed food products and prepared dishes - pizza and pizza-like dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-time PCR (BAX) followed by Whole Genome Sequencing of the isolate | 3 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Other processed food products and prepared dishes - rice based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | AFNOR BIO 12/25 05/09, ELFA method for E. coli O157 | 3 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Processing plant - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 6 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 2 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | AFNOR BIO 12/25 05/09, ELFA method for E. coli O157 | 2 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Ready-to-eat salads - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 2 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Ready-to-eat salads - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 2 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Ready-to-eat salads - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | AFNOR BIO 12/25 05/09, ELFA method for E. coli O157 | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Ready-to-eat salads - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 4 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| Data from Castilla-La Mancha | | | | | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 4 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 | |
| | Ready-to-eat salads - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 4 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Seeds, sprouted - Border Control Posts - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 5 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Seeds, sprouted - non-ready-to-eat - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | In house real time PCR methods based on ISO/TS 13136:2012 | 32 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Seeds, sprouted - non-ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | In house real time PCR methods based on ISO/TS 13136:2012 | 12 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | ANTH | VTX | AG | N units positive |
|---|---|--------------------|---------------|----------------------------------|--|--|--------------------|---|---|---------------|---------------|---------------|------------------|
| Not Available | Seeds, sprouted - ready-to-eat - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 5 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | | | | | Data from Euskadi | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 5 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Seeds, sprouted - ready-to-eat - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | In house real time PCR methods based on ISO/TS 13136:2012 | 10 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | | | | | Data from Comunidad Valenciana | In house real time PCR methods based on ISO/TS 13136:2012 | 10 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Seeds, sprouted - ready-to-eat - Packing centre - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | In house real time PCR methods based on ISO/TS 13136:2012 | 5 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | | | | | Data from Cantabria | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 10 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Seeds, sprouted - ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 7 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | | | | | Data from Galicia | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 50 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Seeds, sprouted - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 4 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | | | | | Data from Murcia | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 4 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Seeds, sprouted - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 2 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | | | | | Data from Comunidad Valenciana | In house real time PCR methods based on ISO/TS 13136:2012 | 64 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Seeds, sprouted - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | In house real time PCR methods based on ISO/TS 13136:2012 | 22 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | | | | | DATA FROM ANDALUCIA | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 50 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| Seeds, sprouted - ready-to-eat - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Madrid | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 65 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 | |
| | | | | Data from Principado de Asturias | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 5 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | ANTH | VTX | AG | N units positive |
|------------------|--|--------------------|---------------|--------------------|---------------------|--|--------------------|----------------------|---|---------------|---------------|---------------|------------------|
| Not Available | Seeds, sprouted - shoot - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 3 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Sweet corn - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-time PCR (BAX) followed by Whole Genome Sequencing of the isolate | 5 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Vegetables - bulb/ clove - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | AFNOR BIO 12/25 05/09, ELFA method for E. coli O157 | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Vegetables - pre-cut - frozen vegetables - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 4 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Vegetables - pre-cut - non-ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 2 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Vegetables - pre-cut - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 3 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 9 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from La Rioja | ISO 16654:2001 or NMKL 164:2005 or DIN 10167 | 25 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | AFNOR BIO 12/25 05/09, ELFA method for E. coli O157 | 2 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Vegetables - pre-cut - ready-to-eat - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 21 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Vegetables - pre-cut - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4) | 2 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |
| | Vegetables - pre-cut - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | AFNOR BIO 12/25 05/09, ELFA method for E. coli O157 | 1 | 0 | Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | 0 |

Table HISTAMINE: in food

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sample unit weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive | |
|--|--|----------------------------------|--------------------|---------------------------|---------------------------|----------------------|---------------|---------------|----------------|------------------|-------|
| | | | | | | | | | | | |
| Not Available | Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Border Control Posts - Not Available - food sample - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 25 | Gram | N_A | 297 | 0 | <=100 | Histamine | 0 | 297 |
| | | | | | | | | >100 TO <=200 | Histamine | 0 | 0 |
| | | | | | | | | >200 | Histamine | 0 | 0 |
| | Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Border Control Posts - Not Available - food sample - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Suspect sampling | single (food/feed) | 25 | Gram | N_A | 1080 | 0 | <=100 | Histamine | 0 | 1,080 |
| | | | | | | | | >100 TO <=200 | Histamine | 0 | 0 |
| | | | | | | | | >200 | Histamine | 0 | 0 |
| | Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - canned - Processing plant - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 3 | 1 | <=100 | Histamine | 0 | 0 |
| | | | | | | | | >100 TO <=200 | Histamine | 0 | 0 |
| | | | | | | | | >200 | Histamine | 0 | 1 |
| | Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - canned - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 4 | 0 | <=100 | Histamine | 0 | 4 |
| | | | | | | | | >100 TO <=200 | Histamine | 0 | 0 |
| | | | | | | | | >200 | Histamine | 0 | 0 |
| | Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - canned - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 2 | 0 | <=100 | Histamine | 0 | 0 |
| | | | | | | | | >100 TO <=200 | Histamine | 0 | 0 |
| | | | | | | | | >200 | Histamine | 0 | 0 |
| | Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - canned - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 10 | Gram | Data from Cataluña ASPB | 2 | 0 | <=100 | Histamine | 0 | 0 |
| | | | | | | | | >100 TO <=200 | Histamine | 0 | 0 |
| | | | | | | | | >200 | Histamine | 0 | 0 |
| | | 25 | Gram | Data from Cataluña | 2 | 0 | <=100 | Histamine | 0 | 0 | |
| | | | | | | | >100 TO <=200 | Histamine | 0 | 0 | |
| | | | | | | | >200 | Histamine | 0 | 0 | |
| | Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - canned - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | 243 | 0 | <=100 | Histamine | 0 | 5 |
| | | | | | | | | >100 TO <=200 | Histamine | 0 | 0 |
| | | | | | | | | >200 | Histamine | 0 | 0 |
| Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Catering - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | 9 | 0 | <=100 | Histamine | 0 | 0 | |
| | | | | | | | >100 TO <=200 | Histamine | 0 | 0 | |
| | | | | | | | >200 | Histamine | 0 | 0 | |
| Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 4 | 0 | <=100 | Histamine | 4 | 0 | |
| | | | | | | | >100 TO <=200 | Histamine | 4 | 0 | |
| | | | | | | | >200 | Histamine | 4 | 0 | |
| | 25 | Gram | Data from Aragon | 3 | 0 | <=100 | Histamine | 3 | 3 | | |
| | | | | | | >100 TO <=200 | Histamine | 3 | 0 | | |
| | | | | | | >200 | Histamine | 3 | 0 | | |
| | Data from Cantabria | 27 | 0 | <=100 | Histamine | 27 | 9 | | | | |
| | | | | >100 TO <=200 | Histamine | 27 | 0 | | | | |
| | | | | >200 | Histamine | 27 | 0 | | | | |
| | Data from Comunidad Valenciana | 171 | 0 | <=100 | Histamine | 0 | 171 | | | | |
| | | | | >100 TO <=200 | Histamine | 0 | 0 | | | | |
| | | | | >200 | Histamine | 0 | 0 | | | | |
| 100 | Gram | Data From Principado de Asturias | 72 | 0 | <=100 | Histamine | 0 | 0 | | | |
| | | | | | >100 TO <=200 | Histamine | 0 | 0 | | | |
| | | | | | >200 | Histamine | 0 | 0 | | | |
| Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 603 | 2 | <=100 | Histamine | 0 | 601 | |
| | | | | | | | >100 TO <=200 | Histamine | 0 | 0 | |
| | | | | | | | >200 | Histamine | 0 | 2 | |
| Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - raw - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 9 | 0 | <=100 | Histamine | 0 | 1 | |
| | | | | | | | >100 TO <=200 | Histamine | 0 | 0 | |
| | | | | | | | >200 | Histamine | 0 | 0 | |
| Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - raw - Processing plant - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 27 | 0 | <=100 | Histamine | 0 | 0 | |
| | | | | | | | >100 TO <=200 | Histamine | 0 | 0 | |
| | | | | | | | >200 | Histamine | 0 | 0 | |
| Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - raw - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 3 | 0 | <=100 | Histamine | 0 | 3 | |
| | | | | | | | >100 TO <=200 | Histamine | 0 | 0 | |
| | | | | | | | >200 | Histamine | 0 | 0 | |
| Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - raw - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 11 | 0 | <=100 | Histamine | 0 | 6 | |
| | | | | | | | >100 TO <=200 | Histamine | 0 | 0 | |
| | | | | | | | >200 | Histamine | 0 | 0 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Zoonoses | | | | | | | | |
|--|--|----------------------------------|---------------|------------------------|-------------------------|--------------------|----------------------|---------------|----------------|------------------|----|---|---------------|-----------|---|---|
| | | | | | | | | Method | N units tested | N units positive | | | | | | |
| Not Available | Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - raw - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 14 | 11 | <=100 | Histamine | 0 | 1 | | | | | |
| | | | | | | | | >100 TO <=200 | Histamine | 0 | 0 | | | | | |
| | | | | | | | | >200 | Histamine | 0 | 11 | | | | | |
| | Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - raw - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña_ASPB | 10 | 1 | <=100 | Histamine | 0 | 0 | | | | | |
| | | | | | | | | >100 TO <=200 | Histamine | 0 | 0 | | | | | |
| | | | | | | | | >200 | Histamine | 0 | 1 | | | | | |
| | Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Madrid LAB 2 | 9 | 0 | <=100 | Histamine | 0 | 2 | | | | | |
| | | | | | | | | >100 TO <=200 | Histamine | 0 | 0 | | | | | |
| | | | | | | | | >200 | Histamine | 0 | 0 | | | | | |
| | Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 5 | 0 | <=100 | Histamine | 5 | 0 | | | | | |
| | | | | | | | | >100 TO <=200 | Histamine | 5 | 0 | | | | | |
| | | | | | | | | >200 | Histamine | 5 | 0 | | | | | |
| | | | | | | | | 25 | Gram | Data from Aragon | 3 | 0 | <=100 | Histamine | 3 | 3 |
| | | | | | | | | | | | | | >100 TO <=200 | Histamine | 3 | 0 |
| | | | | | | | | | | | | | >200 | Histamine | 3 | 0 |
| | | | | | Data from Cantabria | 9 | 0 | <=100 | Histamine | 9 | 0 | | | | | |
| | | | | | | | | >100 TO <=200 | Histamine | 9 | 0 | | | | | |
| | | | | | | | | >200 | Histamine | 9 | 0 | | | | | |
| | | | | | Data from Galicia | 279 | 1 | <=100 | Histamine | 0 | 9 | | | | | |
| | | | | | | | | >100 TO <=200 | Histamine | 0 | 1 | | | | | |
| >200 | | | | | | | | Histamine | 0 | 0 | | | | | | |
| Data from Madrid LAB 2 | | | | | 29 | 3 | <=100 | Histamine | 0 | 8 | | | | | | |
| | | | | | | | >100 TO <=200 | Histamine | 0 | 0 | | | | | | |
| | >200 | Histamine | 0 | 3 | | | | | | | | | | | | |
| Date from Castilla y León | 2 | 0 | <=100 | Histamine | 0 | 2 | | | | | | | | | | |
| | | | >100 TO <=200 | Histamine | 0 | 0 | | | | | | | | | | |
| | | | >200 | Histamine | 0 | 0 | | | | | | | | | | |
| 100 | Gram | Data From Principado de Asturias | 2 | 0 | <=100 | Histamine | 0 | 0 | | | | | | | | |
| | | | | | >100 TO <=200 | Histamine | 0 | 0 | | | | | | | | |
| | | | | | >200 | Histamine | 0 | 0 | | | | | | | | |
| Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | 16 | 0 | <=100 | Histamine | 0 | 16 | | | | | | |
| | | | | | | | >100 TO <=200 | Histamine | 0 | 0 | | | | | | |
| | | | | | | | >200 | Histamine | 0 | 0 | | | | | | |
| Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 39 | 0 | <=100 | Histamine | 0 | 39 | | | | | | |
| | | | | | | | >100 TO <=200 | Histamine | 0 | 0 | | | | | | |
| | | | | | | | >200 | Histamine | 0 | 0 | | | | | | |
| Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | 9 | 0 | <=100 | Histamine | 9 | 0 | | | | | | |
| | | | | | | | >100 TO <=200 | Histamine | 9 | 0 | | | | | | |
| | | | | | | | >200 | Histamine | 9 | 0 | | | | | | |
| | | | | Data from Madrid LAB 2 | 180 | 0 | <=100 | Histamine | 0 | 8 | | | | | | |
| | | | | | | | >100 TO <=200 | Histamine | 0 | 0 | | | | | | |
| | | | | | | | >200 | Histamine | 0 | 0 | | | | | | |
| Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - Border Control Posts - Not Available - food sample - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 25 | Gram | N_A | 63 | 0 | <=200 | Histamine | 0 | 63 | | | | | | |
| | | | | | | | >200 TO <=400 | Histamine | 0 | 0 | | | | | | |
| | | | | | | | >400 | Histamine | 0 | 0 | | | | | | |
| Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - Border Control Posts - Not Available - food sample - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Suspect sampling | single (food/feed) | 25 | Gram | N_A | 855 | 0 | <=200 | Histamine | 0 | 855 | | | | | | |
| | | | | | | | >200 TO <=400 | Histamine | 0 | 0 | | | | | | |
| | | | | | | | >400 | Histamine | 0 | 0 | | | | | | |
| Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - canned - Border Control Posts - Not Available - food sample - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 25 | Gram | N_A | 63 | 0 | <=200 | Histamine | 0 | 63 | | | | | | |
| | | | | | | | >200 TO <=400 | Histamine | 0 | 0 | | | | | | |
| | | | | | | | >400 | Histamine | 0 | 0 | | | | | | |
| Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - canned - Border Control Posts - Not Available - food sample - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Suspect sampling | single (food/feed) | 25 | Gram | N_A | 1208 | 5 | <=200 | Histamine | 0 | 1,203 | | | | | | |
| | | | | | | | >200 TO <=400 | Histamine | 0 | 2 | | | | | | |
| | | | | | | | >400 | Histamine | 0 | 3 | | | | | | |
| Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - canned - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB1 | 54 | 0 | <=200 | Histamine | 0 | 0 | | | | | | |
| | | | | | | | >200 TO <=400 | Histamine | 0 | 0 | | | | | | |
| | | | | | | | >400 | Histamine | 0 | 0 | | | | | | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive | |
|---|---|----------------------------------|---------------|--------------------------------|--------------------------------|--------------------|----------------------|---------------|---------------|----------------|------------------|---|
| Not Available | Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - canned - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB1 | 234 | 1 | <=200 | Histamine | 0 | 1 | |
| | | | | | | | | >200 TO <=400 | Histamine | 0 | 1 | |
| | | | | | | | | >400 | Histamine | 0 | 0 | |
| | Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - canned - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB1 | 27 | 8 | <=200 | Histamine | 0 | 0 | |
| | | | | | | | | >200 TO <=400 | Histamine | 0 | 0 | |
| | | | | | | | | >400 | Histamine | 0 | 8 | |
| | Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | 54 | 0 | <=200 | Histamine | 54 | 0 | |
| | | | | | | | | >200 TO <=400 | Histamine | 54 | 0 | |
| | | | | | | | | >400 | Histamine | 54 | 0 | |
| | | | | | Data from Comunidad Valenciana | 99 | 0 | <=200 | Histamine | 0 | 99 | |
| | | | | | | | | >200 TO <=400 | Histamine | 0 | 0 | |
| | | | | | | | | >400 | Histamine | 0 | 0 | |
| | Data From Principado de Asturias | 9 | 0 | <=200 | Histamine | 0 | 0 | | | | | |
| | | | | >200 TO <=400 | Histamine | 0 | 0 | | | | | |
| | | | | >400 | Histamine | 0 | 0 | | | | | |
| | Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 45 | 0 | <=200 | Histamine | 0 | 2 | |
| | | | | | | | | >200 TO <=400 | Histamine | 0 | 0 | |
| | | | | | | | | >400 | Histamine | 0 | 0 | |
| | Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=200 | Histamine | 1 | 0 | |
| | | | | | | | | >200 TO <=400 | Histamine | 1 | 0 | |
| | | | | | | | | >400 | Histamine | 1 | 0 | |
| 25 | | | | | Gram | Data from Aragon | 3 | 0 | <=200 | Histamine | 3 | 3 |
| | | | | | | | | | >200 TO <=400 | Histamine | 3 | 0 |
| >400 | | | Histamine | 3 | 0 | | | | | | | |
| Data from Comunidad Valenciana | | | 1 | 0 | <=200 | Histamine | 0 | 1 | | | | |
| | | | | | >200 TO <=400 | Histamine | 0 | 0 | | | | |
| | | | | | >400 | Histamine | 0 | 0 | | | | |
| Date from Castilla y León | | | 1 | 0 | <=200 | Histamine | 0 | 1 | | | | |
| | >200 TO <=400 | Histamine | | | 0 | 0 | | | | | | |
| | >400 | Histamine | | | 0 | 0 | | | | | | |
| 100 | Gram | Data From Principado de Asturias | 2 | 0 | <=200 | Histamine | 0 | 0 | | | | |
| | | | | | >200 TO <=400 | Histamine | 0 | 0 | | | | |
| | | | | | >400 | Histamine | 0 | 0 | | | | |
| Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 72 | 0 | <=200 | Histamine | 0 | 14 | | |
| | | | | | | | >200 TO <=400 | Histamine | 0 | 0 | | |
| | | | | | | | >400 | Histamine | 0 | 0 | | |
| Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 100 | Gram | Data from La Rioja | 5 | 0 | <=200 | Histamine | 5 | 1 | | |
| | | | | | | | >200 TO <=400 | Histamine | 5 | 0 | | |
| | | | | | | | >400 | Histamine | 5 | 0 | | |
| Fish - sauce produced by fermentation of fishery products - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | 1 | 0 | <=400 | Histamine | 1 | 0 | | |
| | | | | | | | >400 | Histamine | 1 | 0 | | |
| | | | | Data from Comunidad Valenciana | 3 | 0 | <=400 | Histamine | 0 | 3 | | |
| | | | | | | | >400 | Histamine | 0 | 0 | | |
| Fish - sauce produced by fermentation of fishery products - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 1 | 0 | <=400 | Histamine | 0 | 1 | | |
| | | | | | | | >400 | Histamine | 0 | 0 | | |

Table LISTERIA: in food

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sample unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive |
|------------------|--|--------------------|---------------|--------------------|--|--------------------|----------------------|-----------|------------------------|----------------|------------------|
| | | | | | | | | | | | |
| Not Available | Aioli or garlic sauce - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | | | | |
| Not Available | Aioli or garlic sauce - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 3 | 0 | <=100 | Listeria monocytogenes | 3 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 3 | 0 |
| Not Available | Bakery products - bread - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| Not Available | Bakery products - bread - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | | | | |
| Not Available | Bakery products - bread - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | | | | |
| Not Available | Bakery products - bread - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Extremadura | 75 | 0 | <=100 | Listeria monocytogenes | 75 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 75 | 0 |
| Not Available | Bakery products - cakes - containing heat-treated cream - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 30 | 0 | detection | Listeria monocytogenes | 30 | 0 |
| | | | | | | | | | | | |
| Not Available | Bakery products - cakes - containing heat-treated cream - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 13 | 0 | <=100 | Listeria monocytogenes | 13 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 13 | 0 |
| Not Available | Bakery products - cakes - containing heat-treated cream - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 6 | 0 | detection | Listeria monocytogenes | 6 | 0 |
| | | | | | | | | | | | |
| Not Available | Bakery products - cakes - containing heat-treated cream - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Euskadi | 62 | 0 | <=100 | Listeria monocytogenes | 62 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 62 | 0 |
| Not Available | Bakery products - cakes - containing heat-treated cream - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| Not Available | Bakery products - cakes - containing heat-treated cream - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Principado de Asturias | 55 | 0 | <=100 | Listeria monocytogenes | 55 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 55 | 0 |
| Not Available | Bakery products - cakes - containing heat-treated cream - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 4 | 0 | <=100 | Listeria monocytogenes | 4 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 4 | 0 |
| Not Available | Bakery products - cakes - containing heat-treated cream - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | | | | |
| Not Available | Bakery products - cakes - containing heat-treated cream - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | | | | |
| Not Available | Bakery products - cakes - containing raw cream - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 2 | 0 | <=100 | Listeria monocytogenes | 2 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 2 | 0 |
| Not Available | Bakery products - cakes - containing raw cream - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Principado de Asturias | 25 | 0 | <=100 | Listeria monocytogenes | 25 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 25 | 0 |
| Not Available | Bakery products - cakes - containing raw cream - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| Not Available | Bakery products - cakes - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 125 | 1 | <=100 | Listeria monocytogenes | 1 | 1 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| Not Available | Bakery products - cakes - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 125 | 1 | detection | Listeria monocytogenes | 125 | 1 |
| | | | | | | | | | | | |
| Not Available | Bakery products - cakes - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 7 | 0 | <=100 | Listeria monocytogenes | 7 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 7 | 0 |
| Not Available | Bakery products - cakes - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 7 | 0 | detection | Listeria monocytogenes | 7 | 0 |
| | | | | | | | | | | | |
| Not Available | Bakery products - cakes - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive |
|------------------|--|--------------------|---------------|--------------------|--|--------------------|----------------------|-----------|------------------------|----------------|------------------|
| Not Available | Bakery products - cakes - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Bakery products - cakes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | | | | | Data from Euskadi | 12 | 0 | <=100 | Listeria monocytogenes | 12 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 12 | 0 |
| | Bakery products - cakes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 |
| | Bakery products - cakes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Bakery products - cakes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Bakery products - cakes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 4 | 0 | detection | Listeria monocytogenes | 4 | 0 |
| | | | | | Data from Canarias_Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Bakery products - cakes - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Bakery products - desserts - containing heat-treated cream - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Bakery products - desserts - containing heat-treated cream - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 |
| | Bakery products - desserts - containing heat-treated cream - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Euskadi | 14 | 1 | <=100 | Listeria monocytogenes | 14 | 1 |
| | | | | | | | | >100 | Listeria monocytogenes | 14 | 0 |
| | Bakery products - desserts - containing heat-treated cream - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Bakery products - desserts - containing raw eggs - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | Bakery products - desserts - containing raw eggs - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB1_samples tested only by detection method | 70 | 0 | detection | Listeria monocytogenes | 70 | 0 |
| | Bakery products - desserts - containing raw eggs - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 4 | 0 | detection | Listeria monocytogenes | 4 | 0 |
| | Bakery products - desserts - containing raw eggs - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 135 | 0 | <=100 | Listeria monocytogenes | 135 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 135 | 0 |
| | Bakery products - desserts - containing raw eggs and cream - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB1 | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Bakery products - desserts - containing raw eggs and cream - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | Bakery products - desserts - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Bakery products - desserts - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana_samples tested only by detection method | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 |
| | Bakery products - desserts - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Bakery products - desserts - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Bakery products - desserts - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 3 | 0 | <=100 | Listeria monocytogenes | 3 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 3 | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sample unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive |
|------------------|--|--------------------|---------------|--------------------|---|--------------------|----------------------|---------------|--|----------------|------------------|
| Not Available | Bakery products - desserts - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | Bakery products - desserts - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Illes Balears | 5 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 5 5 | 0 0 |
| | Bakery products - desserts - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 2 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 2 2 | 0 0 |
| | | | | | Data from Comunidad Valenciana | 1 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 1 1 | 0 0 |
| | Bakery products - pastry - biscuits - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | Data from Comunidad Valenciana | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 |
| | Bakery products - pastry - biscuits - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla y León | 5 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 5 5 | 0 0 |
| | | | | | Data from Illes Balears | 5 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 5 5 | 0 0 |
| | Bakery products - pastry - biscuits - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 1 1 | 0 0 |
| | Bakery products - pastry - choux pastry - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 10 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 10 10 | 0 0 |
| | Bakery products - pastry - choux pastry - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Bakery products - pastry - made with raw eggs - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Galicia | 255 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 255 255 | 0 0 |
| | Bakery products - pastry - made with raw eggs - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | 255 | 0 | detection | Listeria monocytogenes | 255 | 0 |
| | Bakery products - pastry - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 2 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 2 2 | 0 0 |
| | Bakery products - pastry - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Bakery products - pastry - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 25 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 25 25 | 0 0 |
| | | | | | Data from Comunidad Valenciana | 25 | 1 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 1 1 | 1 0 |
| | | | | | Data from Illes Balears | 5 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 5 5 | 0 0 |
| | Bakery products - pastry - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | | | | | Data from Castilla-La Mancha. Samples tested only by detection method | 30 | 0 | detection | Listeria monocytogenes | 30 | 0 |
| | | | | | Data from Comunidad Valenciana | 25 | 1 | detection | Listeria monocytogenes | 25 | 1 |
| | | | | | Data from Illes Balears | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Bakery products - pastry - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 |
| | Bakery products - pastry - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Illes Balears | 15 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 15 15 | 0 0 |
| | Bakery products - pastry - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | Data from Illes Balears | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive | | | | |
|---|--|--------------------|--------------------|----------------------------------|---|----------------------|--|------------------------|------------------------|------------------|------------------------|------------------------|----|---|
| Not Available | Bakery products - pastry - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 | | | |
| | Berries and small fruit - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 | | | |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 | | | |
| | Blueberries - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | | | |
| | | | | | | | | | | | | | | |
| | Carrot - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 | | | |
| | Cereals and meals - flakes - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cantabria | 15 | 0 | <=100 | Listeria monocytogenes | 15 | 0 | | | |
| | | | | | | | | >100 | Listeria monocytogenes | 15 | 0 | | | |
| | Cereals and meals - flakes - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | 20 | 0 | detection | Listeria monocytogenes | 20 | 0 | | | |
| | Cheese sauce - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | | | |
| | Cheeses made from cows' milk - curd - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | | | |
| | Cheeses made from cows' milk - curd - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | | | |
| | Cheeses made from cows' milk - curd - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | | | |
| | Cheeses made from cows' milk - fresh - made from pasteurised milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 | | | |
| | Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 | | | |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | | | |
| | Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | 30 | 0 | detection | Listeria monocytogenes | 30 | 0 | | | |
| | | | | | | | | DATA FROM MADRID LAB1 | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 4 | 0 | <=100 | Listeria monocytogenes | 4 | 0 | | | |
| | | | | | | | | >100 | Listeria monocytogenes | 4 | 0 | | | |
| | Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | | | |
| | | | | | | | | Data from Cataluña | 4 | 0 | detection | Listeria monocytogenes | 4 | 0 |
| | Cheeses made from cows' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Galicia | 35 | 0 | <=100 | Listeria monocytogenes | 35 | 0 | | | |
| | | | | | | | | >100 | Listeria monocytogenes | 35 | 0 | | | |
| | | | | | | | | Data From Madrid LAB 2 | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | DATA FROM MADRID LAB1 | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 | | | |
| | Cheeses made from cows' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | 35 | 0 | detection | Listeria monocytogenes | 35 | 0 | | | |
| Cheeses made from cows' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 | | | | |
| | | | | | | | >100 | Listeria monocytogenes | 1 | 0 | | | | |
| Cheeses made from cows' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | | | | |
| | | | | | | | Data from Canarias_Samples tested only by detection method | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 | |
| Cheeses made from cows' milk - fresh - made from raw or low heat-treated milk - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 | | | | |
| | | | | | | | >100 | Listeria monocytogenes | 1 | 0 | | | | |
| Cheeses made from cows' milk - fresh - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Principado de Asturias | 15 | 0 | <=100 | Listeria monocytogenes | 15 | 0 | | | | |
| | | | | | | | >100 | Listeria monocytogenes | 15 | 0 | | | | |
| Cheeses made from cows' milk - fresh - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 | | | | |
| | | | | | | | >100 | Listeria monocytogenes | 1 | 0 | | | | |
| Cheeses made from cows' milk - fresh - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | | | | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive | |
|--|--|--------------------|---------------|--------------------|----------------------------------|-------------------------|----------------------|------------------------|------------------------|------------------------|------------------|---|
| Not Available | Cheeses made from cows' milk - fresh - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Galicia | 15 | 0 | <=100 | Listeria monocytogenes | 15 | 0 | |
| | | | | | | | | >100 | Listeria monocytogenes | 15 | 0 | |
| | Cheeses made from cows' milk - fresh - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 | |
| | | | | | | | | | | 25 | 0 | |
| | Cheeses made from cows' milk - fresh - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Illes Balears | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 | |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | |
| | Cheeses made from cows' milk - fresh - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 | |
| | | | | | | Data from Illes Balears | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Cheeses made from cows' milk - fresh - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | 5 | 1 | detection | Listeria monocytogenes | 5 | 1 | |
| | | | | | | | | | | 3 | 0 | |
| | Cheeses made from cows' milk - fresh - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Illes Balears | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 | |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | |
| | Cheeses made from cows' milk - fresh - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 | |
| | | | | | | Data from Illes Balears | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Cheeses made from cows' milk - fresh - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | |
| | | | | | | | | | | 1 | 1 | |
| | Cheeses made from cows' milk - hard - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 5 | 1 | <=100 | Listeria monocytogenes | 1 | 1 | |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 | |
| | Cheeses made from cows' milk - hard - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 5 | 1 | detection | Listeria monocytogenes | 5 | 1 | |
| | | | | | | | | | | 5 | 0 | |
| | Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 | |
| | | | | | | | | | | 1 | 0 | |
| | Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | |
| | | | | | | | | | | 1 | 0 | |
| | Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 | |
| | Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 | |
| | | | | | | | | | | 1 | 0 | |
| | Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | |
| | | | | | | | | | | 10 | 0 | |
| Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Galicia | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | | |
| | | | | | | | >100 | Listeria monocytogenes | 10 | 0 | | |
| | | | | | | | <=100 | Listeria monocytogenes | 20 | 0 | | |
| | | | | | | | >100 | Listeria monocytogenes | 20 | 0 | | |
| | | | | | | | <=100 | Listeria monocytogenes | 20 | 0 | | |
| Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 | | |
| | | | | | | | | | | | 6 | 0 |
| | | | | | | | <=100 | Listeria monocytogenes | 6 | 0 | | |
| | | | | | | | >100 | Listeria monocytogenes | 6 | 0 | | |
| | | | | | | | detection | Listeria monocytogenes | 2 | 0 | | |
| Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 | | |
| | | | | | | | | | | | 6 | 0 |
| | | | | | | | | | | | 17 | 0 |
| Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 | | |
| | | | | | | | | | | | | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive | |
|--|---|--------------------|---------------|--|---|--------------------|------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Not Available | Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 | |
| | Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Galicia | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 | |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | |
| | | | | | | | | DATA FROM MADRID LAB1 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 | |
| | | | | | | | | | | | | |
| | Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña_ASPB | 3 | 0 | <=100 | Listeria monocytogenes | 3 | 0 | |
| | | | | | | | | >100 | Listeria monocytogenes | 3 | 0 | |
| | Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 | |
| | | | | | | | | Data from Euskadi | 3 | 0 | detection | Listeria monocytogenes |
| | Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | 25 | 0 | detection | Listeria monocytogenes | 25 | 0 | |
| | | | | | | | | | | | | |
| | Cheeses made from cows' milk - soft and semi-soft - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Illes Balears | 40 | 0 | <=100 | Listeria monocytogenes | 40 | 0 | |
| | | | | | | | | >100 | Listeria monocytogenes | 40 | 0 | |
| | Cheeses made from cows' milk - soft and semi-soft - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Illes Balears | 40 | 0 | detection | Listeria monocytogenes | 40 | 0 | |
| | | | | | | | | | | | | |
| | Cheeses made from cows' milk - unspecified - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 | |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | |
| | Cheeses made from goats' milk - fresh - made from pasteurised milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 40 | 0 | detection | Listeria monocytogenes | 40 | 0 | |
| | | | | | | | | | | | | |
| | Cheeses made from goats' milk - fresh - made from pasteurised milk - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 7 | 0 | <=100 | Listeria monocytogenes | 7 | 0 | |
| | | | | | | | | >100 | Listeria monocytogenes | 7 | 0 | |
| | Cheeses made from goats' milk - fresh - made from pasteurised milk - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 6 | 0 | detection | Listeria monocytogenes | 6 | 0 | |
| | | | | | | | | | | | | |
| | Cheeses made from goats' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 | |
| | Cheeses made from goats' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 | |
| | | | | | | | | | | | | |
| | Cheeses made from goats' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 20 | 0 | <=100 | Listeria monocytogenes | 20 | 0 | |
| | | | | | | | | >100 | Listeria monocytogenes | 20 | 0 | |
| Cheeses made from goats' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 | | |
| | | | | | | | >100 | Listeria monocytogenes | 1 | 0 | | |
| Cheeses made from goats' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | | |
| | | | | | | | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 |
| Cheeses made from goats' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | | |
| | | | | | | | | | | | | |
| Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 | | |
| | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | | |
| Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 9 | 0 | detection | Listeria monocytogenes | 9 | 0 | | |
| | | | | | | | | | | | | |
| Cheeses made from goats' milk - fresh - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | | |
| | | | | | | | | | | | | |
| Cheeses made from goats' milk - fresh - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla y León | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 | | |
| | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | | |
| | | | | | | | Data from Castilla-La Mancha | 10 | 0 | <=100 | Listeria monocytogenes | 10 |
| | | | | | | | >100 | Listeria monocytogenes | 10 | 0 | | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive |
|------------------|---|--------------------|---------------|--------------------|---|--------------------|----------------------|-----------|------------------------|----------------|------------------|
| Not Available | Cheeses made from goats' milk - fresh - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León-samples tested only by detection method | 20 | 0 | detection | Listeria monocytogenes | 20 | 0 |
| | | | | | Data from Castilla-La Mancha. Samples tested only by detection method | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | Cheeses made from goats' milk - fresh - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 9 | 0 | detection | Listeria monocytogenes | 9 | 0 |
| | Cheeses made from goats' milk - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Cheeses made from goats' milk - fresh - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | Cheeses made from goats' milk - hard - made from pasteurised milk - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Cheeses made from goats' milk - hard - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Cheeses made from goats' milk - hard - made from raw or low heat-treated milk - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Cheeses made from goats' milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 5 | <=100 | Listeria monocytogenes | 5 | 5 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | | | | | Data from Extremadura | 75 | 0 | <=100 | Listeria monocytogenes | 75 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 75 | 0 |
| | Cheeses made from goats' milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | 5 | 5 | detection | Listeria monocytogenes | 5 | 5 |
| | | | | | Data from Extremadura | 75 | 0 | detection | Listeria monocytogenes | 75 | 0 |
| | Cheeses made from goats' milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 6 | 0 | detection | Listeria monocytogenes | 6 | 0 |
| | Cheeses made from goats' milk - hard - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla y León | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Cheeses made from goats' milk - hard - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León-samples tested only by detection method | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | Data from Castilla-La Mancha. Samples tested only by detection method | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 |
| | Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 15 | 0 | <=100 | Listeria monocytogenes | 15 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 15 | 0 |
| | Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña_ASPB | 2 | 1 | <=100 | Listeria monocytogenes | 1 | 1 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | 2 | 1 | detection | Listeria monocytogenes | 2 | 1 |
| | | | | | Data from Euskadi | 8 | 0 | detection | Listeria monocytogenes | 8 | 0 |
| | Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 |
| | Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Principado de Asturias | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive |
|------------------|--|--------------------|---------------|--------------------|---|--------------------|----------------------|------------------------|------------------------|----------------|------------------|
| Not Available | Cheeses made from goats' milk - soft and semi-soft - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Cheeses made from goats' milk - unspecified - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Cheeses made from goats' milk - unspecified - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| >100 | | | | | | | | Listeria monocytogenes | 5 | 0 | |
| | Cheeses made from goats' milk - unspecified - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Cheeses made from goats' milk - unspecified - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Cheeses made from sheep's milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| >100 | | | | | | | | Listeria monocytogenes | 5 | 0 | |
| <=100 | | | | | | | | Listeria monocytogenes | 1 | 1 | |
| >100 | | | | | | | | Listeria monocytogenes | 1 | 0 | |
| | Cheeses made from sheep's milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 5 | 1 | detection | Listeria monocytogenes | 5 | 1 |
| | | | | | Data from Euskadi | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Cheeses made from sheep's milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Cheeses made from sheep's milk - hard - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | Data from Comunidad Valenciana | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | Cheeses made from sheep's milk - hard - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 4 | 0 | detection | Listeria monocytogenes | 4 | 0 |
| | Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Navarra | 15 | 2 | <=100 | Listeria monocytogenes | 2 | 2 |
| | | | | | | | | >100 | Listeria monocytogenes | 2 | 0 |
| | Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Navarra | 15 | 2 | detection | Listeria monocytogenes | 15 | 2 |
| | Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Euskadi | 100 | 2 | <=100 | Listeria monocytogenes | 2 | 2 |
| | | | | | | | | >100 | Listeria monocytogenes | 2 | 0 |
| | Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 20 | 0 | detection | Listeria monocytogenes | 20 | 0 |
| | | | | | Data from Comunidad Valenciana | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | Data from Euskadi | 100 | 2 | detection | Listeria monocytogenes | 100 | 2 |
| | Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | Cheeses made from sheep's milk - hard - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla y León | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Cheeses made from sheep's milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Cheeses made from sheep's milk - soft and semi-soft - made from raw or low heat-treated milk - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive |
|------------------|--|--------------------|---------------|--------------------|---|--------------------|----------------------|-----------|------------------------|----------------|------------------|
| Not Available | Cheeses made from sheep's milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Cheeses made from sheep's milk - soft and semi-soft - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | Cheeses made from sheep's milk - unspecified - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 5 | 2 | <=100 | Listeria monocytogenes | 2 | 2 |
| | | | | | | | | >100 | Listeria monocytogenes | 2 | 0 |
| | Cheeses made from sheep's milk - unspecified - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 5 | 2 | detection | Listeria monocytogenes | 5 | 2 |
| | Cheeses made from sheep's milk - unspecified - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | | | | | Data from La Rioja | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Cheeses made from sheep's milk - unspecified - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Cheeses made from sheep's milk - unspecified - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 25 | 0 | detection | Listeria monocytogenes | 25 | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 3 | 0 | <=100 | Listeria monocytogenes | 3 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 3 | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cantabria | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from cantabria_sample s tested only by detection method | 25 | 0 | detection | Listeria monocytogenes | 25 | 0 |
| | | | | | Data from Principado de Asturias | 20 | 0 | detection | Listeria monocytogenes | 20 | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - hard - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 20 | 0 | <=100 | Listeria monocytogenes | 20 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 20 | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña ASPB | 2 | 0 | <=100 | Listeria monocytogenes | 2 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 2 | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | Data from Cataluña ASPB | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | | | | | Data from Euskadi | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - unspecified - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla y León | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Cheeses, made from unspecified milk or other animal milk - fresh - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive | |
|------------------|--|--------------------|--------------------|------------------|---|----------------------|--------|-----------|------------------------|------------------|---|
| Not Available | Cheeses, made from unspecified milk or other animal milk - fresh - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | Cheeses, made from unspecified milk or other animal milk - fresh - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Cheeses, made from unspecified milk or other animal milk - fresh - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Cheeses, made from unspecified milk or other animal milk - hard - made from pasteurised milk - Packing centre - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Cheeses, made from unspecified milk or other animal milk - hard - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cantabria | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Cheeses, made from unspecified milk or other animal milk - hard - made from pasteurised milk - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 40 | 5 | detection | Listeria monocytogenes | 40 | 5 |
| | Cheeses, made from unspecified milk or other animal milk - hard - made from pasteurised milk - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 55 | 0 | <=100 | Listeria monocytogenes | 55 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 55 | 0 |
| | Cheeses, made from unspecified milk or other animal milk - hard - made from raw or low heat-treated milk - Packing centre - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Cheeses, made from unspecified milk or other animal milk - hard - made from raw or low heat-treated milk - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 50 | 0 | detection | Listeria monocytogenes | 50 | 0 |
| | Cheeses, made from unspecified milk or other animal milk - hard - made from raw or low heat-treated milk - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cantabria | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from cantabria, samples tested only by detection method | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 205 | 0 | detection | Listeria monocytogenes | 205 | 0 |
| | Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - made from pasteurised milk - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 365 | 0 | <=100 | Listeria monocytogenes | 365 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 365 | 0 |
| | Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 |
| | Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 35 | 0 | detection | Listeria monocytogenes | 35 | 0 |
| | Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 15 | 0 | <=100 | Listeria monocytogenes | 15 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 15 | 0 |
| | Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña_ASPB | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Cheeses, made from unspecified milk or other animal milk - spreadable - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Cheeses, made from unspecified milk or other animal milk - unspecified - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive |
|------------------|--|--------------------|---------------|--------------------|---|--------------------|----------------------|-----------|------------------------|----------------|------------------|
| Not Available | Cilantro - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Confectionery products and pastes - chocolate-based product - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Confectionery products and pastes - chocolate-based product - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | Confectionery products and pastes - hard candy - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 |
| | Confectionery products and pastes - soft candy - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 4 | 0 | detection | Listeria monocytogenes | 4 | 0 |
| | Crustaceans - prawns - cooked - frozen - Border Control Posts - Not Available - food sample - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 10 | Gram | N_A | 20 | 0 | <=100 | Listeria monocytogenes | 20 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 20 | 0 |
| | Crustaceans - prawns - cooked - frozen - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 12 | 0 | <=100 | Listeria monocytogenes | 12 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 12 | 0 |
| | Crustaceans - prawns - cooked - frozen - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 12 | 0 | detection | Listeria monocytogenes | 12 | 0 |
| | Crustaceans - prawns - cooked - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | Crustaceans - prawns - raw - chilled - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | Crustaceans - shrimps - cooked - chilled - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 25 | 0 | <=100 | Listeria monocytogenes | 25 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 25 | 0 |
| | Crustaceans - shrimps - cooked - chilled - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 25 | 0 | detection | Listeria monocytogenes | 25 | 0 |
| | Crustaceans - shrimps - cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 |
| | Crustaceans - shrimps - cooked - chilled - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 20 | 0 | detection | Listeria monocytogenes | 20 | 0 |
| | Crustaceans - shrimps - cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | Crustaceans - shrimps - cooked - frozen - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 2 | 0 | <=100 | Listeria monocytogenes | 2 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 2 | 0 |
| | Crustaceans - unspecified - cooked - chilled - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 20 | 0 | detection | Listeria monocytogenes | 20 | 0 |
| | Crustaceans - unspecified - cooked - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | 40 | 5 | detection | Listeria monocytogenes | 40 | 5 |
| | Crustaceans - unspecified - cooked - frozen - Border Control Posts - Not Available - food sample - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 10 | Gram | N_A | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Crustaceans - unspecified - cooked - frozen - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Crustaceans - unspecified - shelled, shucked and cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Cured seasoned pork meat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 2 | 0 | <=100 | Listeria monocytogenes | 2 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 2 | 0 |
| | Cured seasoned pork meat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | Curry - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | Dairy products (excluding cheeses) - butter - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | Data from Principado de Asturias | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 |
| | Dairy products (excluding cheeses) - butter - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Dairy products (excluding cheeses) - butter - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive | |
|--|--|--------------------|--------------------|---|---|----------------------|-----------|------------------------|------------------------|------------------|---|
| Not Available | Dairy products (excluding cheeses) - cheese analogue - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla y León | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | <=100 | Listeria monocytogenes | 1 | 0 |
| | Dairy products (excluding cheeses) - dairy desserts - chilled - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Dairy products (excluding cheeses) - dairy desserts - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | Dairy products (excluding cheeses) - dairy products, not specified - ready-to-eat - made from pasteurised milk - Catering - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Dairy products (excluding cheeses) - dairy products, not specified - ready-to-eat - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | Dairy products (excluding cheeses) - dairy products, not specified - ready-to-eat - made from pasteurised milk - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Euskadi | 33 | 0 | <=100 | Listeria monocytogenes | 33 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 33 | 0 |
| | Dairy products (excluding cheeses) - dairy products, not specified - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 10 | 4 | <=100 | Listeria monocytogenes | 4 | 4 |
| | | | | | | | | >100 | Listeria monocytogenes | 4 | 0 |
| | Dairy products (excluding cheeses) - dairy products, not specified - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | Data from Comunidad Valenciana | 10 | 4 | detection | Listeria monocytogenes | 10 | 4 |
| | Dairy products (excluding cheeses) - dairy products, not specified - ready-to-eat - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 35 | 0 | detection | Listeria monocytogenes | 35 | 0 |
| | Dairy products (excluding cheeses) - dairy products, not specified - ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Dairy products (excluding cheeses) - dairy products, not specified - ready-to-eat - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | Dairy products (excluding cheeses) - fermented dairy products - fermented milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | Dairy products (excluding cheeses) - fermented dairy products - fermented milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 4 | 0 | detection | Listeria monocytogenes | 4 | 0 |
| | Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 145 | 0 | <=100 | Listeria monocytogenes | 145 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 145 | 0 |
| | Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | 20 | 0 | detection | Listeria monocytogenes | 20 | 0 |
| | Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias. Samples tested only by detection method | 4 | 0 | detection | Listeria monocytogenes | 4 | 0 |
| | Dairy products (excluding cheeses) - ice-cream - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | 20 | 0 | detection | Listeria monocytogenes | 20 | 0 |
| | Dairy products (excluding cheeses) - ice-cream - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 1 | 0 | |
| Dairy products (excluding cheeses) - ice-cream - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 40 | 0 | <=100 | Listeria monocytogenes | 40 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 40 | 0 | |
| Dairy products (excluding cheeses) - ice-cream - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 | |
| | | | | Data from Castilla-La Mancha. Samples tested only by detection method | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 | |
| Dairy products (excluding cheeses) - ice-cream - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 9 | 0 | detection | Listeria monocytogenes | 9 | 0 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive |
|--|--|--------------------|---------------|-----------------------|---|--------------------|----------------------|------------------------|------------------------|----------------|------------------|
| Not Available | Dairy products (excluding cheeses) - ice-cream - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 55 | 0 | detection | Listeria monocytogenes | 55 | 0 |
| | Dairy products (excluding cheeses) - ice-cream - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 8 | 0 | detection | Listeria monocytogenes | 8 | 0 |
| | Dairy products (excluding cheeses) - ice-cream - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | Dairy products (excluding cheeses) - ice-cream - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 |
| | Dairy products (excluding cheeses) - ice-cream - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Galicia | 40 | 0 | <=100 | Listeria monocytogenes | 40 | 0 |
| | | single (food/feed) | 25 | Gram | Data from Castilla y León | 5 | 0 | >100 | Listeria monocytogenes | 40 | 0 |
| | Dairy products (excluding cheeses) - ice-cream - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | 40 | 0 | detection | Listeria monocytogenes | 40 | 0 |
| | | single (food/feed) | 25 | Gram | Data from Aragon | 17 | 0 | detection | Listeria monocytogenes | 17 | 0 |
| | | single (food/feed) | 25 | Gram | Data from Cataluña | 11 | 0 | detection | Listeria monocytogenes | 11 | 0 |
| | Dairy products (excluding cheeses) - ice-cream - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 45 | 0 | <=100 | Listeria monocytogenes | 45 | 0 |
| | | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 45 | 0 | >100 | Listeria monocytogenes | 45 | 0 |
| | Dairy products (excluding cheeses) - milk powder and whey powder - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Dairy products (excluding cheeses) - milk powder and whey powder - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | >100 | Listeria monocytogenes | 5 | 0 |
| | Dairy products (excluding cheeses) - milk powder and whey powder - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 25 | 0 | <=100 | Listeria monocytogenes | 25 | 0 |
| | | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 25 | 0 | >100 | Listeria monocytogenes | 25 | 0 |
| | | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 60 | 0 | <=100 | Listeria monocytogenes | 60 | 0 |
| | | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 60 | 0 | >100 | Listeria monocytogenes | 60 | 0 |
| | Dairy products (excluding cheeses) - milk powder and whey powder - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | Dairy products (excluding cheeses) - milk powder and whey powder - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 15 | 0 | <=100 | Listeria monocytogenes | 15 | 0 |
| | | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 15 | 0 | >100 | Listeria monocytogenes | 15 | 0 |
| | Dairy products (excluding cheeses) - whey - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Dairy products (excluding cheeses) - yoghurt - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | >100 | Listeria monocytogenes | 1 | 0 |
| | Dairy products (excluding cheeses) - yoghurt - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 20 | 0 | detection | Listeria monocytogenes | 20 | 0 |
| | | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 20 | 0 | detection | Listeria monocytogenes | 20 | 0 |
| | Egg products - liquid - white - pasteurised - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 80 | 0 | <=100 | Listeria monocytogenes | 80 | 0 |
| | | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 80 | 0 | >100 | Listeria monocytogenes | 80 | 0 |
| | Egg products - liquid - yolk - pasteurised - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | | single (food/feed) | 25 | Gram | Data from Euskadi | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Egg products - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Egg products - ready-to-eat - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 |
| | Egg products - ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| single (food/feed) | | 10 | Gram | DATA FROM MADRID LAB1 | 5 | 0 | >100 | Listeria monocytogenes | 5 | 0 | |
| Egg products - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 | |
| | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 5 | 0 | >100 | Listeria monocytogenes | 5 | 0 | |
| Egg products - ready-to-eat - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 | |
| Fish - canned - Border Control Posts - Not Available - food sample - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 10 | Gram | N_A | 25 | 0 | <=100 | Listeria monocytogenes | 25 | 0 | |
| | single (food/feed) | 10 | Gram | N_A | 25 | 0 | >100 | Listeria monocytogenes | 25 | 0 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive |
|------------------|--|--------------------|---------------|--------------------|---|--------------------|----------------------|-----------|------------------------|----------------|------------------|
| Not Available | Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - canned - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 |
| | Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - canned - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cantabria | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - raw - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - canned - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | Fish - gravad /slightly salted - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 45 | 0 | <=100 | Listeria monocytogenes | 45 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 45 | 0 |
| | Fish - gravad /slightly salted - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana_samp les tested only by detection method | 35 | 0 | detection | Listeria monocytogenes | 35 | 0 |
| | Fish - gravad /slightly salted - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 14 | 0 | detection | Listeria monocytogenes | 14 | 0 |
| | Fish - marinated - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 20 | 0 | detection | Listeria monocytogenes | 20 | 0 |
| | Fish - marinated - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | Fish - marinated - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Fish - marinated - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Fish - marinated - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla y León | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | | | | | Data from Illes Balears | 20 | 0 | <=100 | Listeria monocytogenes | 20 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 20 | 0 |
| | Fish - marinated - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Illes Balears | 20 | 0 | detection | Listeria monocytogenes | 20 | 0 |
| | Fish - raw - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | | | | | Data from Castilla-La Mancha | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Fish - raw - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 6 | 0 | detection | Listeria monocytogenes | 6 | 0 |
| | Fish - raw - frozen - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Fish - raw - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data From Madrid LAB 2 | 45 | 0 | <=100 | Listeria monocytogenes | 45 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 45 | 0 |
| | Fish - smoked - Border Control Posts - Not Available - food sample - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 10 | Gram | N_A | 60 | 4 | <=100 | Listeria monocytogenes | 60 | 2 |
| | | | | | | | | >100 | Listeria monocytogenes | 60 | 2 |
| | Fish - smoked - cold-smoked - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 65 | 12 | <=100 | Listeria monocytogenes | 12 | 12 |
| | | | | | | | | >100 | Listeria monocytogenes | 12 | 0 |
| | Fish - smoked - cold-smoked - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 65 | 12 | detection | Listeria monocytogenes | 65 | 12 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive | |
|---|---|--------------------|---------------|--------------------------------|---|---------------------------|------------------------|------------------------|------------------------|------------------------|------------------|---|
| | | | | | | | | | | | | |
| Not Available | Fish - smoked - cold-smoked - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 | |
| | | | | | | >100 | Listeria monocytogenes | 1 | 0 | | | |
| | Fish - smoked - cold-smoked - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 145 | 0 | <=100 | Listeria monocytogenes | 145 | 0 | |
| | | | | | | >100 | Listeria monocytogenes | 145 | 0 | | | |
| | Fish - smoked - hot-smoked - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | |
| | Fish - smoked - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 7 | 0 | detection | Listeria monocytogenes | 7 | 0 | |
| | Fish - smoked - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla y León | 15 | 0 | <=100 | Listeria monocytogenes | 15 | 0 | |
| | | | | | | >100 | Listeria monocytogenes | 15 | 0 | | | |
| | | | | | | Data from Cataluña | 5 | 1 | <=100 | Listeria monocytogenes | 1 | 1 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 | |
| | Fish - smoked - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 | |
| | | | | | | Data from Cataluña | 5 | 1 | detection | Listeria monocytogenes | 5 | 1 |
| | | | | | | | | | | | | |
| | Fish - smoked - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 4 | 0 | detection | Listeria monocytogenes | 4 | 0 | |
| | Fish - smoked - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cantabria | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | |
| | | | | | | >100 | Listeria monocytogenes | 10 | 0 | | | |
| | | | | | | Data from Castilla y León | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | Data from Cataluña ASPB | 20 | 0 | <=100 | Listeria monocytogenes | 20 | 0 |
| | | | | | | | | | >100 | Listeria monocytogenes | 20 | 0 |
| | Fish - smoked - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña ASPB | 20 | 0 | <=100 | Listeria monocytogenes | 20 | 0 | |
| | | | | | | >100 | Listeria monocytogenes | 20 | 0 | | | |
| | | | | | | Data from Galicia | 50 | 0 | <=100 | Listeria monocytogenes | 50 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 50 | 0 | |
| | Fish - smoked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 4 | 0 | <=100 | Listeria monocytogenes | 4 | 0 | |
| | | | | | | >100 | Listeria monocytogenes | 4 | 0 | | | |
| | Fish - smoked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Illes Balears | 5 | 1 | <=100 | Listeria monocytogenes | 5 | 1 | |
| | | | | | | >100 | Listeria monocytogenes | 5 | 0 | | | |
| | | | | | | detection | Listeria monocytogenes | 5 | 1 | | | |
| | Fish - smoked - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña ASPB | 5 | 1 | <=100 | Listeria monocytogenes | 1 | 1 | |
| | | | | | | >100 | Listeria monocytogenes | 1 | 0 | | | |
| | | | | | | Data From Madrid LAB 2 | 100 | 0 | <=100 | Listeria monocytogenes | 100 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 100 | 0 | |
| Fish - smoked - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña ASPB | 5 | 1 | detection | Listeria monocytogenes | 5 | 1 | | |
| Fish - smoked - Wholesale - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | | |
| Fishery products, unspecified - cooked - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 | | |
| | | | | | >100 | Listeria monocytogenes | 5 | 0 | | | | |
| Fishery products, unspecified - cooked - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 | | |
| Fishery products, unspecified - cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña ASPB | 19 | 0 | <=100 | Listeria monocytogenes | 19 | 0 | | |
| | | | | | >100 | Listeria monocytogenes | 19 | 0 | | | | |
| Fishery products, unspecified - cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña ASPB | 19 | 0 | detection | Listeria monocytogenes | 19 | 0 | | |
| Fishery products, unspecified - cooked - chilled - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña ASPB | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 | | |
| | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | | |
| Fishery products, unspecified - cooked - chilled - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña ASPB | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 | | |
| Fishery products, unspecified - ready-to-eat - chilled - Border Control Posts - Not Available - food sample - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 10 | Gram | N_A | 160 | 0 | <=100 | Listeria monocytogenes | 160 | 0 | | |
| | | | | | >100 | Listeria monocytogenes | 160 | 0 | | | | |
| Fishery products, unspecified - ready-to-eat - chilled - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 | | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive |
|---|---|--------------------|------------------------|------------------------------|----------------------------------|--------------------|----------------------|------------------------|------------------------|----------------|------------------|
| | | | | | | | | | | | |
| Not Available | Fishery products, unspecified - ready-to-eat - chilled - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 35 | 0 | detection | Listeria monocytogenes | 35 | 0 |
| | Fishery products, unspecified - ready-to-eat - chilled - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 405 | 0 | <=100 | Listeria monocytogenes | 405 | 0 |
| | | >100 | Listeria monocytogenes | 405 | 0 | | | | | | |
| | Fishery products, unspecified - ready-to-eat - frozen - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | >100 | Listeria monocytogenes | 5 | 0 | | | | | | |
| | Fishery products, unspecified - ready-to-eat - frozen - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Fishery products, unspecified - ready-to-eat - frozen - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña_ASPB | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | >100 | Listeria monocytogenes | 1 | 0 | | | | | | |
| | Fishery products, unspecified - ready-to-eat - frozen - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | single (food/feed) | 10 | Gram | Data from Cataluña_ASPB | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | Fishery products, unspecified - ready-to-eat - frozen - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña_ASPB | 5 | 0 | >100 | Listeria monocytogenes | 5 | 0 |
| | | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Fishery products, unspecified - ready-to-eat - frozen - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | single (food/feed) | 10 | Gram | Data from Cataluña_ASPB | 5 | 0 | >100 | Listeria monocytogenes | 5 | 0 |
| | Fishery products, unspecified - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | >100 | Listeria monocytogenes | 5 | 0 |
| | Fishery products, unspecified - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 |
| | Fishery products, unspecified - ready-to-eat - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Fishery products, unspecified - ready-to-eat - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | Fishery products, unspecified - smoked - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | Fishery products, unspecified - smoked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Aragon | 2 | 1 | <=100 | Listeria monocytogenes | 1 | 1 |
| | | single (food/feed) | 25 | Gram | Data from Aragon | 2 | 1 | >100 | Listeria monocytogenes | 1 | 0 |
| | Fishery products, unspecified - smoked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 2 | 1 | detection | Listeria monocytogenes | 2 | 1 |
| | | single (food/feed) | 10 | Gram | Data from Principado de Asturias | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | Fishery products, unspecified - smoked - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Principado de Asturias | 10 | 0 | >100 | Listeria monocytogenes | 10 | 0 |
| | | single (food/feed) | 10 | Gram | Data from Euskadi | 30 | 2 | <=100 | Listeria monocytogenes | 2 | 2 |
| | Fishery products, unspecified - smoked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Euskadi | 30 | 2 | >100 | Listeria monocytogenes | 2 | 0 |
| | | single (food/feed) | 25 | Gram | Data from Aragon | 7 | 0 | detection | Listeria monocytogenes | 7 | 0 |
| | Fishery products, unspecified - smoked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | 30 | 2 | detection | Listeria monocytogenes | 30 | 2 |
| | | single (food/feed) | 25 | Gram | Data from Principado de Asturias | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | Follow-on formulae - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | Follow-on formulae - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 10 | 0 | >100 | Listeria monocytogenes | 10 | 0 |
| Food supplements and similar preparations - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 | |
| | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | >100 | Listeria monocytogenes | 5 | 0 | |
| Food supplements and similar preparations - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 | |
| | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | >100 | Listeria monocytogenes | 1 | 0 | |
| Foodstuffs intended for special nutritional uses - dietary foods for special medical purposes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Illes Balears | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 | |
| Foodstuffs intended for special nutritional uses - dried dietary foods for special medical purposes intended for infants below 6 months - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 | |
| Foodstuffs intended for special nutritional uses - dried dietary foods for special medical purposes intended for infants below 6 months - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 | |
| | single (food/feed) | 10 | Gram | Data from Cataluña | 5 | 0 | >100 | Listeria monocytogenes | 5 | 0 | |
| Foodstuffs intended for special nutritional uses - dried dietary foods for special medical purposes intended for infants below 6 months - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 | |
| | single (food/feed) | 25 | Gram | Data from Euskadi | 16 | 0 | detection | Listeria monocytogenes | 16 | 0 | |
| | single (food/feed) | 25 | Gram | Data from Illes Balears | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive |
|------------------|---|--------------------|---------------|--------------------|---|--------------------|----------------------|-----------|------------------------|----------------|------------------|
| Not Available | Foodstuffs intended for special nutritional uses - dried dietary foods for special medical purposes intended for infants below 6 months - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| Not Available | Foodstuffs intended for special nutritional uses - other food for infants and children - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 |
| | | | | | | | | | | | |
| Not Available | Foodstuffs intended for special nutritional uses - other food for infants and children - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | | | | |
| Not Available | Foodstuffs intended for special nutritional uses - processed cereal-based food for infants and young children - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | | | | |
| Not Available | Foodstuffs intended for special nutritional uses - processed cereal-based food for infants and young children - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 2 | 0 | <=100 | Listeria monocytogenes | 2 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 2 | 0 |
| Not Available | Foodstuffs intended for special nutritional uses - processed cereal-based food for infants and young children - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | | | | | | | | | | | |
| Not Available | Foodstuffs intended for special nutritional uses - ready-to-eat meal for infants and young children - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | | | | |
| Not Available | Foodstuffs intended for special nutritional uses - ready-to-eat meal for infants and young children - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| Not Available | Foodstuffs intended for special nutritional uses - ready-to-eat meal for infants and young children - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | | | | |
| Not Available | Fruits - pre-cut - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cantabria | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| Not Available | Fruits - pre-cut - frozen - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| Not Available | Fruits - pre-cut - ready-to-eat - Packing centre - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB1 | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | | | | |
| Not Available | Fruits - pre-cut - ready-to-eat - Packing centre - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | | | | |
| Not Available | Fruits - pre-cut - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | | | | |
| Not Available | Fruits - pre-cut - ready-to-eat - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 25 | 0 | detection | Listeria monocytogenes | 25 | 0 |
| | | | | | | | | | | | |
| Not Available | Fruits - pre-cut - ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | | | | |
| Not Available | Fruits - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | <=100 | Listeria monocytogenes | 25 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 25 | 0 |
| | | | | | | | | <=100 | Listeria monocytogenes | 140 | 0 |
| Not Available | Fruits - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB1 - only enumeration method | 40 | 0 | detection | Listeria monocytogenes | 40 | 0 |
| | | | | | | | | | | | |
| Not Available | Fruits - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 8 | 0 | <=100 | Listeria monocytogenes | 8 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 8 | 0 |
| | | | | | | | | <=100 | Listeria monocytogenes | 16 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 16 | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sample weight | Sample weight unit | Sampling unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive |
|---|--|--------------------|--------------------|--------------------------------|--------------------------------|--------------------|----------------------|------------------------|------------------------|----------------|------------------|
| | | | | | | | | | | | |
| Not Available | Fruits - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | Data from Cataluña | 16 | 0 | detection | Listeria monocytogenes | 16 | 0 |
| | Fruits - pre-cut - ready-to-eat - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 30 | 0 | <=100 | Listeria monocytogenes | 30 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 30 | 0 |
| | Fruits - pre-cut - ready-to-eat - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 4 | 0 | detection | Listeria monocytogenes | 4 | 0 |
| | Fruits - products - fruit purée - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | Fruits - products - fruit purée - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Fruits - products - fruit purée - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | | | | |
| | Fruits - products - fruit purée - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 2 | 0 | <=100 | Listeria monocytogenes | 2 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 2 | 0 |
| | | | | | Data from Euskadi | 2 | 0 | <=100 | Listeria monocytogenes | 2 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 2 | 0 |
| | Fruits - products - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 35 | 0 | <=100 | Listeria monocytogenes | 35 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 35 | 0 |
| | Fruits - whole - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 3 | 0 | <=100 | Listeria monocytogenes | 3 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 3 | 0 |
| | Fruits and vegetables - pre-cut - ready-to-eat - Catering - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Galicia | 50 | 0 | <=100 | Listeria monocytogenes | 50 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 50 | 0 |
| | Fruits and vegetables - pre-cut - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 |
| | Fruits and vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Galicia | 50 | 0 | <=100 | Listeria monocytogenes | 50 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 50 | 0 |
| | | | | | Data From Madrid LAB 2 | 15 | 0 | <=100 | Listeria monocytogenes | 15 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 15 | 0 |
| | Garlic - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Herbs, vegetables and oil sauces - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Herbs, vegetables and oil sauces - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Herbs, vegetables and oil sauces - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Infant formula - dried - intended for infants below 6 months - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB1 | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| Infant formula - dried - intended for infants below 6 months - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 10 | 0 | |
| Infant formula - dried - intended for infants below 6 months - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 | |
| | | | | DATA FROM MADRID LAB1 | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 | |
| Infant formula - dried - intended for infants below 6 months - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 35 | 0 | <=100 | Listeria monocytogenes | 35 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 35 | 0 | |
| Infant formula - dried - intended for infants below 6 months - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | 4 | 0 | detection | Listeria monocytogenes | 4 | 0 | |
| | | | | | | | | | | | |
| Infant formula - dried - intended for infants below 6 months - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 | |
| | | | | DATA FROM MADRID LAB1 | 40 | 0 | detection | Listeria monocytogenes | 40 | 0 | |
| Infant formula - dried - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB1 | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 | |
| Infant formula - dried - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña ASPB | 20 | 0 | <=100 | Listeria monocytogenes | 20 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 20 | 0 | |
| Infant formula - dried - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña ASPB | 20 | 0 | detection | Listeria monocytogenes | 20 | 0 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive | |
|--|---|--------------------|--------------------|--------------------------------|------------------------|---|-----------|------------------------|------------------------|------------------------|----|
| Not Available | Infant formula - dried - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 16 | 0 | <=100 | Listeria monocytogenes | 16 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 16 | 0 |
| | Infant formula - dried - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 16 | 0 | detection | Listeria monocytogenes | 16 | 0 |
| | Infant formula - dried - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB1 | 60 | 0 | detection | Listeria monocytogenes | 60 | 0 |
| | Infant formula - liquid - intended for infants below 6 months - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | 30 | 0 | detection | Listeria monocytogenes | 30 | 0 |
| | Infant formula - liquid - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 6 | 0 | <=100 | Listeria monocytogenes | 6 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 6 | 0 |
| | | | | | | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Data from Cataluña | 6 | 0 | detection | Listeria monocytogenes | 6 | 0 | | | | |
| | | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 | | | | |
| | Infant formula - liquid - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Infant formula - ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | | | | |
| | Infant formula - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Infant formula - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | | Data from La Rioja | 5 | 0 | detection | Listeria monocytogenes | 5 |
| | Infant formula - ready-to-eat - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | | | | |
| | Juice - fruit juice - unpasteurised - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from La Rioja | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | | | | |
| | Juice - fruit juice - unpasteurised - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | DATA FROM MADRID LAB1 | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Juice - fruit juice - unpasteurised - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Juice - fruit juice - unpasteurised - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Millilitre | Data from Cantabria | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | 60 | 0 | <=100 | Listeria monocytogenes | 60 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 60 | 0 |
| | Juice - fruit juice - unpasteurised - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from La Rioja | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| Millilitre | | | | | | DATA FROM MADRID LAB1_samples tested only by detection method | 35 | 0 | detection | Listeria monocytogenes | 35 |
| Juice - fruit juice - unpasteurised - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from Aragon | 4 | 0 | detection | Listeria monocytogenes | 4 | 0 | |
| Juice - fruit juice - unpasteurised - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | |
| Juice - mixed juice - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from Castilla-La Mancha | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | |
| Juice - mixed juice - unpasteurised - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Millilitre | DATA FROM MADRID LAB1 | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 10 | 0 | |
| Juice - vegetable juice - unpasteurised - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 270 | 2 | <=100 | Listeria monocytogenes | 270 | 2 | |
| | | | | | | | >100 | Listeria monocytogenes | 270 | 0 | |
| Juice - vegetable juice - unpasteurised - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from Aragon | 11 | 0 | detection | Listeria monocytogenes | 11 | 0 | |
| Juice - vegetable juice - unpasteurised - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | |
| Lettuce - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 1 | 0 | |
| Lettuce - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 1 | 0 | |
| Lettuce - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive | |
|---|--|--------------------|--------------------|----------------------------------|--|----------------------|-----------|------------------------|------------------------|------------------|---|
| Not Available | Live bivalve molluscs - mussels - dehydrated - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Live bivalve molluscs - unspecified - dehydrated - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cantabria | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | Lupini bean - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla y León | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Mayonnaise sauce - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | | | | |
| | Mayonnaise sauce - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | | | | |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data From Madrid LAB 2 | 3 | 0 | <=100 | Listeria monocytogenes | 3 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 3 | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten raw - chilled - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten raw - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Galicia | 50 | 0 | <=100 | Listeria monocytogenes | 50 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 50 | 0 |
| | | | | | Data from La Rioja | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | | | | | DATA FROM MADRID LAB1 | 60 | 0 | <=100 | Listeria monocytogenes | 60 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 60 | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten raw - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | 50 | 0 | detection | Listeria monocytogenes | 50 | 0 |
| | | | | | Data from La Rioja_Samples tested only by detection method | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten raw - chilled - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 20 | 0 | <=100 | Listeria monocytogenes | 20 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 20 | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten raw - chilled - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten raw - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Meat from bovine animals - meat products - cooked, ready-to-eat - Border Control Posts - Not Available - food sample - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 10 | Gram | N_A | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | | | | |
| Meat from bovine animals - meat products - cooked, ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 4 | 0 | <=100 | Listeria monocytogenes | 4 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 4 | 0 | |
| Meat from bovine animals - meat products - cooked, ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 4 | 0 | detection | Listeria monocytogenes | 4 | 0 | |
| | | | | | | | | | | | |
| Meat from bovine animals - meat products - raw and intended to be eaten raw - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Galicia | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | |
| Meat from bovine animals - meat products - raw and intended to be eaten raw - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 | |
| | | | | | | | | | | | |
| Meat from bovine animals - meat products - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data From Madrid LAB 2 | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 1 | 0 | |
| Meat from bovine animals - meat products - ready-to-eat - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 10 | 0 | |
| Meat from bovine animals - meat products - ready-to-eat - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data From Madrid LAB 2 | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | |
| Meat from bovine animals - meat products - ready-to-eat - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data From Madrid LAB 2 | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 1 | 0 | |
| Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data From Madrid LAB 2 | 8 | 0 | <=100 | Listeria monocytogenes | 8 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 8 | 0 | |
| Meat from bovine animals - minced meat - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Principado de Asturias | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive | |
|---|---|--------------------|--------------------|---------------------|--|----------------------|-----------|------------------------|------------------------|------------------|---|
| Not Available | Meat from bovine animals - minced meat - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Principado de Asturias | 25 | 0 | <=100 | Listeria monocytogenes | 25 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 25 | 0 |
| | Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | | | | | | | | | | | |
| | Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Meat from bovine animals and pig - meat products - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | | | | |
| | Meat from bovine animals and pig - meat products - ready-to-eat - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 |
| | | | | | | | | | | | |
| | Meat from bovine animals and pig - meat products - ready-to-eat - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 25 | 0 | <=100 | Listeria monocytogenes | 25 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 25 | 0 |
| | Meat from broilers (Gallus gallus) - fresh - skinned - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 3 | 0 | <=100 | Listeria monocytogenes | 3 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 3 | 0 |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | | | | |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | | | | |
| | Meat from broilers (Gallus gallus) - meat products - cooked, ready-to-eat - chilled - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | | | | |
| | Meat from broilers (Gallus gallus) - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data From Madrid LAB 2 | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Meat from broilers (Gallus gallus) - meat products - non-ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Meat from broilers (Gallus gallus) - meat products - ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla y León | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | Meat from deer (venison) - meat products - raw and intended to be eaten raw - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | | | | |
| | Meat from deer (venison) - meat products - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| >100 | | | | | | | | Listeria monocytogenes | 5 | 0 | |
| Meat from deer (venison) - meat products - ready-to-eat - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 | |
| | | | | | | | | | | | |
| Meat from duck - meat preparation - intended to be eaten raw - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | |
| | | | | | | | | | | | |
| Meat from duck - meat products - cooked, ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | |
| | | | | | | | | | | | |
| Meat from duck - meat products - pâté - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | 20 | 0 | detection | Listeria monocytogenes | 20 | 0 | |
| | | | | | | | | | | | |
| Meat from horse - meat products - ready-to-eat - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | |
| Meat from other animal species or not specified - meat products - heat treated, ready to eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 4 | 0 | <=100 | Listeria monocytogenes | 4 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 4 | 0 | |
| Meat from other animal species or not specified - meat products - heat treated, ready to eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 4 | 0 | detection | Listeria monocytogenes | 4 | 0 | |
| | | | | | | | | | | | |
| Meat from other poultry species - meat preparation - intended to be eaten raw - chilled - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 20 | 0 | <=100 | Listeria monocytogenes | 20 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 20 | 0 | |
| Meat from pig - meat preparation - intended to be eaten cooked - chilled - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 2 | 0 | <=100 | Listeria monocytogenes | 2 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 2 | 0 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive | | | |
|--|---|--------------------|---------------|---|--------------------------------|--------------------|----------------------|------------------------|------------------------|----------------|------------------|------------------------|----|---|
| | | | | | | | | | | | | | | |
| Not Available | Meat from pig - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 | | | |
| | Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | | | |
| | Meat from pig - meat preparation - intended to be eaten raw - chilled - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | 20 | 0 | detection | Listeria monocytogenes | 20 | 0 | | | |
| | Meat from pig - meat preparation - intended to be eaten raw - chilled - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 55 | 1 | detection | Listeria monocytogenes | 55 | 1 | | | |
| | Meat from pig - meat preparation - intended to be eaten raw - chilled - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 35 | 0 | <=100 | Listeria monocytogenes | 35 | 0 | | | |
| | | | | | | | | >100 | Listeria monocytogenes | 35 | 0 | | | |
| | Meat from pig - meat preparation - intended to be eaten raw - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 9 | 0 | detection | Listeria monocytogenes | 9 | 0 | | | |
| | Meat from pig - meat preparation - intended to be eaten raw - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 6 | 0 | detection | Listeria monocytogenes | 6 | 0 | | | |
| | Meat from pig - meat products - cooked ham - non-sliced - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | 20 | 0 | detection | Listeria monocytogenes | 20 | 0 | | | |
| | Meat from pig - meat products - cooked ham - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 30 | 0 | detection | Listeria monocytogenes | 30 | 0 | | | |
| | Meat from pig - meat products - cooked ham - Processing plant - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 | | | |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | | | |
| | Meat from pig - meat products - cooked ham - Processing plant - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 | | | |
| | Meat from pig - meat products - cooked ham - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 | | | |
| | Meat from pig - meat products - cooked ham - sliced - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | | | |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 | | | |
| | | | | | | | | Data from Extremadura | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | Data from Galicia | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | >100 | Listeria monocytogenes | 10 | 0 | | | | | | | |
| | Meat from pig - meat products - cooked ham - sliced - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 | | | |
| | | | | | Data from Galicia | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 | | | |
| | Meat from pig - meat products - cooked ham - sliced - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña_ASPB | 16 | 0 | <=100 | Listeria monocytogenes | 16 | 0 | | | |
| | | | | | | | | >100 | Listeria monocytogenes | 16 | 0 | | | |
| | | | | | Data from Euskadi | 23 | 1 | <=100 | Listeria monocytogenes | 1 | 0 | | | |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 1 | | | |
| | Meat from pig - meat products - cooked ham - sliced - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | 16 | 0 | detection | Listeria monocytogenes | 16 | 0 | | | |
| | | | | | Data from Euskadi | 23 | 1 | detection | Listeria monocytogenes | 23 | 1 | | | |
| | Meat from pig - meat products - cooked, ready-to-eat - chilled - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | | | |
| | Meat from pig - meat products - cooked, ready-to-eat - chilled - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 10 | 1 | <=100 | Listeria monocytogenes | 10 | 1 | | | |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 | | | |
| | | | | | Data from Comunidad Valenciana | 40 | 2 | <=100 | Listeria monocytogenes | 2 | 2 | | | |
| | | | | | | | >100 | Listeria monocytogenes | 2 | 0 | | | | |
| Data from Illes Balears | 25 | 0 | <=100 | Listeria monocytogenes | 25 | 0 | | | | | | | | |
| | | | >100 | Listeria monocytogenes | 25 | 0 | | | | | | | | |
| Meat from pig - meat products - cooked, ready-to-eat - chilled - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 10 | 1 | detection | Listeria monocytogenes | 10 | 1 | | | | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive |
|------------------|--|--------------------|---------------|--------------------|---|--------------------|----------------------|-----------|------------------------|----------------|------------------|
| Not Available | Meat from pig - meat products - cooked, ready-to-eat - chilled - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 40 | 2 | detection | Listeria monocytogenes | 40 | 2 |
| | | | | | Data from Illes Balears | 25 | 0 | detection | Listeria monocytogenes | 25 | 0 |
| Not Available | Meat from pig - meat products - cooked, ready-to-eat - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| Not Available | Meat from pig - meat products - cooked, ready-to-eat - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | | | | |
| Not Available | Meat from pig - meat products - cooked, ready-to-eat - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 40 | 0 | <=100 | Listeria monocytogenes | 40 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 40 | 0 |
| | | | | | Data from Galicia | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| Not Available | Meat from pig - meat products - cooked, ready-to-eat - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | 5 | 0 | >100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | | | | |
| Not Available | Meat from pig - meat products - cooked, ready-to-eat - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| Not Available | Meat from pig - meat products - cooked, ready-to-eat - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 8 | 0 | detection | Listeria monocytogenes | 8 | 0 |
| | | | | | | | | | | | |
| Not Available | Meat from pig - meat products - cooked, ready-to-eat - chilled - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| Not Available | Meat from pig - meat products - cooked, ready-to-eat - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 20 | 0 | detection | Listeria monocytogenes | 20 | 0 |
| | | | | | Data from Euskadi | 20 | 0 | detection | Listeria monocytogenes | 20 | 0 |
| Not Available | Meat from pig - meat products - cooked, ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 10 | 2 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 2 |
| Not Available | Meat from pig - meat products - cooked, ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | 10 | 2 | detection | Listeria monocytogenes | 10 | 2 |
| | | | | | | | | | | | |
| Not Available | Meat from pig - meat products - cooked, ready-to-eat - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 20 | 0 | detection | Listeria monocytogenes | 20 | 0 |
| | | | | | | | | | | | |
| Not Available | Meat from pig - meat products - cooked, ready-to-eat - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 8 | 0 | detection | Listeria monocytogenes | 8 | 0 |
| | | | | | | | | | | | |
| Not Available | Meat from pig - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña_ASPB | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| Not Available | Meat from pig - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | | | | |
| Not Available | Meat from pig - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 4 | 1 | <=100 | Listeria monocytogenes | 4 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 4 | 1 |
| Not Available | Meat from pig - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | Data from Euskadi | 6 | 0 | detection | Listeria monocytogenes | 6 | 0 |
| Not Available | Meat from pig - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 3 | 1 | <=100 | Listeria monocytogenes | 3 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 3 | 1 |
| Not Available | Meat from pig - meat products - fermented sausages - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 205 | 17 | <=100 | Listeria monocytogenes | 17 | 17 |
| | | | | | | | | >100 | Listeria monocytogenes | 17 | 0 |
| Not Available | Meat from pig - meat products - fermented sausages - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 205 | 17 | detection | Listeria monocytogenes | 205 | 17 |
| | | | | | | | | | | | |
| Not Available | Meat from pig - meat products - fermented sausages - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 16 | 1 | <=100 | Listeria monocytogenes | 1 | 1 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| Not Available | Meat from pig - meat products - fermented sausages - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 16 | 1 | detection | Listeria monocytogenes | 16 | 1 |
| | | | | | | | | | | | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sample weight unit | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive | |
|------------------|---|--------------------|--------------------|------------------|---|----------------------|--------|-----------|------------------------|------------------|----------------------|
| | | | | | | | | | | | Sampling unit weight |
| Not Available | Meat from pig - meat products - fermented sausages - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 14 | 1 | <=100 | Listeria monocytogenes | 1 | 1 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| Not Available | Meat from pig - meat products - fermented sausages - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 14 | 1 | detection | Listeria monocytogenes | 14 | 1 |
| | | | | | | | | | | | |
| Not Available | Meat from pig - meat products - meat specialities - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 |
| | | | | | | | | | | | |
| Not Available | Meat from pig - meat products - meat specialities - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 12 | 1 | <=100 | Listeria monocytogenes | 1 | 1 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| Not Available | Meat from pig - meat products - meat specialities - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 12 | 1 | detection | Listeria monocytogenes | 12 | 1 |
| | | | | | | | | | | | |
| Not Available | Meat from pig - meat products - meat specialities - Processing plant - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 15 | 0 | <=100 | Listeria monocytogenes | 15 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 15 | 0 |
| Not Available | Meat from pig - meat products - meat specialities - Processing plant - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 |
| | | | | | | | | | | | |
| Not Available | Meat from pig - meat products - meat specialities - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | | | | |
| Not Available | Meat from pig - meat products - meat specialities - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 2 | 0 | <=100 | Listeria monocytogenes | 2 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 2 | 0 |
| Not Available | Meat from pig - meat products - meat specialities - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | | | | | | | | | | | |
| Not Available | Meat from pig - meat products - non-ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | | | | |
| Not Available | Meat from pig - meat products - pâté - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 10 | 4 | <=100 | Listeria monocytogenes | 4 | 4 |
| | | | | | | | | >100 | Listeria monocytogenes | 4 | 0 |
| Not Available | Meat from pig - meat products - pâté - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 10 | 4 | detection | Listeria monocytogenes | 10 | 4 |
| | | | | | | | | | | | |
| Not Available | Meat from pig - meat products - pâté - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 3 | 0 | <=100 | Listeria monocytogenes | 3 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 3 | 0 |
| Not Available | Meat from pig - meat products - pâté - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 |
| | | | | | | | | | | | |
| Not Available | Meat from pig - meat products - pâté - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña_ASPB | 4 | 0 | <=100 | Listeria monocytogenes | 4 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 4 | 0 |
| Not Available | Meat from pig - meat products - pâté - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | 4 | 0 | detection | Listeria monocytogenes | 4 | 0 |
| | | | | | Data from Euskadi | | | 10 | 0 | | |
| Not Available | Meat from pig - meat products - raw and intended to be eaten raw - chilled - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| Not Available | Meat from pig - meat products - raw and intended to be eaten raw - chilled - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 10 | 4 | detection | Listeria monocytogenes | 10 | 4 |
| | | | | | | | | | | | |
| Not Available | Meat from pig - meat products - raw and intended to be eaten raw - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 3 | 0 | <=100 | Listeria monocytogenes | 3 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 3 | 0 |
| Not Available | Meat from pig - meat products - raw and intended to be eaten raw - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | | | | |
| Not Available | Meat from pig - meat products - raw and intended to be eaten raw - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Navarra | 5 | 1 | <=100 | Listeria monocytogenes | 1 | 1 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| Not Available | Meat from pig - meat products - raw and intended to be eaten raw - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Navarra | 5 | 1 | detection | Listeria monocytogenes | 5 | 1 |
| | | | | | | | | | | | |
| Not Available | Meat from pig - meat products - raw and intended to be eaten raw - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 3 | 0 | <=100 | Listeria monocytogenes | 3 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 3 | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | | | | |
|---|--|--------------------|---------------|---|---|--------------------|----------------------|------------------------------|------------------------|----------------|------------------|------------------------|---|---|
| | | | | | | | | | | N units tested | N units positive | | | |
| Not Available | Meat from pig - meat products - raw and intended to be eaten raw - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 70 | 0 | <=100 | Listeria monocytogenes | 70 | 0 | | | |
| | | | | | | | | >100 | Listeria monocytogenes | 70 | 0 | | | |
| | Meat from pig - meat products - raw and intended to be eaten raw - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 55 | 19 | detection | Listeria monocytogenes | 55 | 19 | | | |
| | | | | | | | | | | | | | | |
| | Meat from pig - meat products - raw and intended to be eaten raw - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 6 | 0 | detection | Listeria monocytogenes | 6 | 0 | | | |
| | | | | | Data from Castilla-La Mancha | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | | | |
| | Meat from pig - meat products - raw and intended to be eaten raw - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Galicia | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | | | |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 | | | |
| | Meat from pig - meat products - raw and intended to be eaten raw - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 | | | |
| | | | | | | | | | | | | | | |
| | Meat from pig - meat products - raw and intended to be eaten raw - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Aragon | 11 | 1 | <=100 | Listeria monocytogenes | 1 | 0 | | | |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 1 | | | |
| | | | | | | | | Data from Castilla-La Mancha | 3 | 0 | <=100 | Listeria monocytogenes | 3 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 3 | 0 | | | |
| | Meat from pig - meat products - raw and intended to be eaten raw - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 11 | 1 | detection | Listeria monocytogenes | 11 | 1 | | | |
| | | | | | Data from Castilla-La Mancha. Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | | | | | |
| | | | | | | | | | 1 | 0 | | | | |
| | Meat from pig - meat products - raw ham - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 20 | 0 | <=100 | Listeria monocytogenes | 20 | 0 | | | |
| | | | | | | | | >100 | Listeria monocytogenes | 20 | 0 | | | |
| | Meat from pig - meat products - raw ham - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 25 | 0 | detection | Listeria monocytogenes | 25 | 0 | | | |
| | | | | | Data from Castilla-La Mancha. Samples tested only by detection method | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 | | | |
| | | | | | | | | | | | | | | |
| | Meat from pig - meat products - raw ham - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 12 | 0 | detection | Listeria monocytogenes | 12 | 0 | | | |
| | | | | | Data from Cataluña | 8 | 0 | detection | Listeria monocytogenes | 8 | 0 | | | |
| | Meat from pig - meat products - raw ham - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Galicia | 40 | 0 | <=100 | Listeria monocytogenes | 40 | 0 | | | |
| | | | | | | | | >100 | Listeria monocytogenes | 40 | 0 | | | |
| | Meat from pig - meat products - raw ham - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | 40 | 0 | detection | Listeria monocytogenes | 40 | 0 | | | |
| | | | | | | | | | | | | | | |
| | Meat from pig - meat products - raw ham - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña_ASPB | 16 | 0 | <=100 | Listeria monocytogenes | 16 | 0 | | | |
| | | | | | | | | >100 | Listeria monocytogenes | 16 | 0 | | | |
| Meat from pig - meat products - raw ham - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | 16 | 0 | detection | Listeria monocytogenes | 16 | 0 | | | | |
| | | | | | | | | | | | | | | |
| Meat from pig - meat products - ready-to-eat - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 50 | 0 | <=100 | Listeria monocytogenes | 50 | 0 | | | | |
| | | | | | | | >100 | Listeria monocytogenes | 50 | 0 | | | | |
| Meat from pig - meat products - ready-to-eat - Packing centre - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 80 | 3 | detection | Listeria monocytogenes | 80 | 3 | | | | |
| | | | | | | | | | | | | | | |
| Meat from pig - meat products - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla y León | 20 | 0 | <=100 | Listeria monocytogenes | 20 | 0 | | | | |
| | | | | >100 | Listeria monocytogenes | 20 | 0 | | | | | | | |
| | | | | Data from Extremadura | 90 | 18 | <=100 | Listeria monocytogenes | 18 | 18 | | | | |
| | | | | >100 | Listeria monocytogenes | 18 | 0 | | | | | | | |
| | | | | Data from Extremadura_sam ples tested only by enumeration method | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | | | | |
| | | | | >100 | Listeria monocytogenes | 10 | 0 | | | | | | | |
| Meat from pig - meat products - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from La Rioja | 55 | 0 | <=100 | Listeria monocytogenes | 55 | 0 | | | | |
| | | | | >100 | Listeria monocytogenes | 55 | 0 | | | | | | | |
| Meat from pig - meat products - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León-samples tested only by detection method | 110 | 35 | detection | Listeria monocytogenes | 110 | 35 | | | | |
| | | | | | | | | | | | | | | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive | |
|---|--|--------------------|--------------------|--------------------------------|---|----------------------|-----------|------------------------|------------------------|------------------|---------------|
| | | | | | | | | | | | Sampling unit |
| Not Available | Meat from pig - meat products - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Extremadura | 90 | 18 | detection | Listeria monocytogenes | 90 | 18 |
| | Meat from pig - meat products - ready-to-eat - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 925 | 48 | detection | Listeria monocytogenes | 925 | 48 |
| | Meat from pig - meat products - ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla y León | 15 | 0 | <=100 | Listeria monocytogenes | 15 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 15 | 0 |
| | | | | | Data from Extremadura | 40 | 0 | <=100 | Listeria monocytogenes | 40 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 40 | 0 |
| | | | | | Data from La Rioja | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | | | | | Data From Madrid LAB 2 | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | Meat from pig - meat products - ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 |
| | Meat from pig - meat products - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data From Madrid LAB 2 | 7 | 0 | <=100 | Listeria monocytogenes | 7 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 7 | 0 |
| | Meat from pig - meat products - ready-to-eat - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 835 | 0 | <=100 | Listeria monocytogenes | 835 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 835 | 0 |
| | Meat from pig - meat products - ready-to-eat - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data From Madrid LAB 2 | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Meat from pig - meat products - ready-to-eat - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data From Madrid LAB 2 | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Meat from pig - meat products - unspecified, non ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Meat from pig - minced meat - intended to be eaten cooked - chilled - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Meat from pig - other slaughtering products - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Meat from pig - other slaughtering products - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 10 | Gram | Data From Madrid LAB 2 | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | Meat from poultry, unspecified - meat preparation - intended to be eaten raw - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | Meat from poultry, unspecified - meat products - cooked, ready-to-eat - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Extremadura | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | Meat from poultry, unspecified - meat products - ready-to-eat - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 25 | 0 | <=100 | Listeria monocytogenes | 25 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 25 | 0 |
| | Meat from poultry, unspecified - meat products - ready-to-eat - Packing centre - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| Meat from poultry, unspecified - meat products - ready-to-eat - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 50 | 1 | detection | Listeria monocytogenes | 50 | 1 | |
| Meat from poultry, unspecified - meat products - ready-to-eat - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 170 | 1 | <=100 | Listeria monocytogenes | 170 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 170 | 1 | |
| Meat from turkey - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 | |
| Meat from turkey - meat products - cooked, ready-to-eat - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 10 | 0 | |
| | | | | Data from Extremadura | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 10 | 0 | |
| Meat from turkey - meat products - cooked, ready-to-eat - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | 6 | 0 | detection | Listeria monocytogenes | 6 | 0 | |
| Meat from turkey - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 1 | 0 | |
| | | | | Data From Madrid LAB 2 | 3 | 0 | <=100 | Listeria monocytogenes | 3 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 3 | 0 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sample unit weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive | |
|---|--|-----------------------|--------------------------|---|--|-------------------------|-----------|------------------------|------------------------|------------------|---|
| Not Available | Meat from turkey - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 4 | 0 | detection | Listeria monocytogenes | 4 | 0 |
| | Meat from turkey - meat products - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Meat from turkey - meat products - ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Meat from wild boar - meat products - cooked, ready-to-eat - chilled - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña_ASPB | 5 | 1 | <=100 | Listeria monocytogenes | 1 | 1 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Meat from wild boar - meat products - cooked, ready-to-eat - chilled - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | 5 | 1 | detection | Listeria monocytogenes | 5 | 1 |
| | | | | | | | | | | | |
| | Meat from wild boar - meat products - pâté - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Meat sauce - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Meat sauce - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | | | | |
| | Meat, mixed meat - meat preparation - intended to be eaten raw - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from cantabria_sample s tested only by detection method | 5 | 4 | detection | Listeria monocytogenes | 5 | 4 |
| | | | | | | | | | | | |
| | Meat, mixed meat - meat preparation - intended to be eaten raw - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Principado de Asturias | 20 | 2 | detection | Listeria monocytogenes | 20 | 2 |
| | | | | | | | | | | | |
| | Meat, mixed meat - meat preparation - intended to be eaten raw - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Principado de Asturias | 30 | 0 | <=100 | Listeria monocytogenes | 30 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 30 | 0 |
| | Meat, mixed meat - meat preparation - intended to be eaten raw - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | | | | |
| | Meat, mixed meat - meat preparation - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | | | | |
| | Meat, mixed meat - meat products - fresh raw sausages - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Principado de Asturias | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | Meat, mixed meat - meat products - fresh raw sausages - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | 15 | 5 | detection | Listeria monocytogenes | 15 | 5 |
| | | | | | | | | | | | |
| Meat, mixed meat - meat products - raw and intended to be eaten raw - Packing centre - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cantabria | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | |
| Meat, mixed meat - meat products - raw and intended to be eaten raw - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cantabria | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | |
| Milk, cows' - pasteurised milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Millilitre | Data from Castilla-La Mancha | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 10 | 0 | |
| Milk, cows' - pasteurised milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from Castilla-La Mancha. Samples tested only by detection method | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 | |
| | | | | | | | | | | | |
| Milk, cows' - pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Millilitre | Data from Cataluña | 6 | 0 | <=100 | Listeria monocytogenes | 6 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 6 | 0 | |
| Milk, cows' - pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from Cataluña | 6 | 0 | detection | Listeria monocytogenes | 6 | 0 | |
| | | | | | | | | | | | |
| Milk, cows' - pasteurised milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Millilitre | Data from Cantabria | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | |
| Milk, cows' - pasteurised milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 | |
| | | | | | | | | | | | |
| Milk, cows' - pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Millilitre | Data from Castilla-La Mancha | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 1 | 0 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive |
|--|--|--------------------|---------------|---------------------|----------------------------------|--------------------|----------------------|------------------------|------------------------|----------------|------------------|
| | | | | | | | | | | | |
| Not Available | Milk, cows' - raw milk - intended for direct human consumption - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Millilitre | Data from Cataluña | 4 | 1 | <=100 | Listeria monocytogenes | 1 | 1 |
| | | | | | | | | | | | |
| | Milk, cows' - raw milk - intended for direct human consumption - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from Cataluña | 4 | 1 | detection | Listeria monocytogenes | 4 | 1 |
| | Milk, goats' - pasteurised milk - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Milk, goats' - raw milk for manufacture - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from Canarias | 2 | 1 | detection | Listeria monocytogenes | 2 | 1 |
| | Milk, sheep's - pasteurised milk - low pasteurisation - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Milk, sheep's - raw milk for manufacture - intended for manufacture of raw or low heat-treated products - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Millilitre | Data from Cataluña | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | | | | |
| | Milk, sheep's - raw milk for manufacture - intended for manufacture of raw or low heat-treated products - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from Cataluña | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | | | | |
| | Molluscan shellfish - cooked - chilled - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 80 | 0 | <=100 | Listeria monocytogenes | 80 | 0 |
| | | | | | | | | | | | |
| | Molluscan shellfish - cooked - chilled - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 45 | 3 | <=100 | Listeria monocytogenes | 3 | 3 |
| | | | | | | | | | | | |
| | Molluscan shellfish - cooked - chilled - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 45 | 3 | detection | Listeria monocytogenes | 45 | 3 |
| | | | | | | | | | | | |
| | Molluscan shellfish - cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Molluscan shellfish - cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | | | | |
| | Molluscan shellfish - cooked - chilled - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Galicia | 25 | 0 | <=100 | Listeria monocytogenes | 25 | 0 |
| | | | | | | | | | | | |
| | Molluscan shellfish - cooked - chilled - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | 25 | 0 | detection | Listeria monocytogenes | 25 | 0 |
| | Molluscan shellfish - cooked - frozen - Border Control Posts - Not Available - food sample - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 10 | Gram | N_A | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | | | | |
| | Molluscan shellfish - cooked - frozen - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 30 | 0 | <=100 | Listeria monocytogenes | 30 | 0 |
| | | | | | | | | | | | |
| | Molluscan shellfish - cooked - frozen - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 |
| | | | | | | | | | | | |
| | Molluscan shellfish - cooked - frozen - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | 20 | 1 | detection | Listeria monocytogenes | 20 | 1 |
| | Molluscan shellfish - cooked - frozen - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Galicia | 40 | 0 | <=100 | Listeria monocytogenes | 40 | 0 |
| >100 | | | | | | | | | | | |
| Molluscan shellfish - cooked - frozen - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | 40 | 0 | detection | Listeria monocytogenes | 40 | 0 | |
| Molluscan shellfish - cooked - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cantabria | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | |
| | | | | | | | | | | | >100 |
| Molluscan shellfish - cooked - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 25 | 0 | detection | Listeria monocytogenes | 25 | 0 | |
| Molluscan shellfish - shelled, shucked and cooked - Packing centre - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cantabria | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | |
| | | | | | | | | | | | >100 |
| Mushrooms cooked sauce - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 | |
| | | | | | | | | | | | >100 |
| Other processed food products and prepared dishes - egg based dishes - Catering - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Galicia | 35 | 0 | <=100 | Listeria monocytogenes | 35 | 0 | |
| | | | | | | | | | | | >100 |
| Other processed food products and prepared dishes - egg based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 | |
| | | | | | | | | | | | >100 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive |
|------------------|---|--------------------|---------------|------------------------|--|--------------------|----------------------|-----------|------------------------|----------------|------------------|
| | | | | | | | | | | | |
| Not Available | Other processed food products and prepared dishes - egg based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 |
| | | | | | Data from Canarias_Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Other processed food products and prepared dishes - egg based dishes - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Other processed food products and prepared dishes - egg based dishes - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | | | | |
| | Other processed food products and prepared dishes - egg based dishes - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | Data from Euskadi | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | Other processed food products and prepared dishes - egg based dishes - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 |
| | Other processed food products and prepared dishes - egg based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Principado de Asturias | 15 | 0 | <=100 | Listeria monocytogenes | 15 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 15 | 0 |
| | Other processed food products and prepared dishes - egg based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 7 | 0 | <=100 | Listeria monocytogenes | 7 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 7 | 0 |
| | | | | | Data from Comunidad Valenciana | 49 | 0 | <=100 | Listeria monocytogenes | 49 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 49 | 0 |
| | Other processed food products and prepared dishes - egg based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | 29 | 0 | <=100 | Listeria monocytogenes | 29 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 29 | 0 |
| | Other processed food products and prepared dishes - egg based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 6 | 0 | detection | Listeria monocytogenes | 6 | 0 |
| | Other processed food products and prepared dishes - egg based dishes - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Galicia | 15 | 0 | <=100 | Listeria monocytogenes | 15 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 15 | 0 |
| | | | | | Data from Principado de Asturias | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Other processed food products and prepared dishes - egg based dishes - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | Data from Galicia | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 |
| | Other processed food products and prepared dishes - egg based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Other processed food products and prepared dishes - egg based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | Other processed food products and prepared dishes - egg based dishes - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 95 | 0 | <=100 | Listeria monocytogenes | 95 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 95 | 0 |
| | Other processed food products and prepared dishes - egg based dishes - School or kindergarten - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 25 | 0 | <=100 | Listeria monocytogenes | 25 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 25 | 0 |
| | | | | | Data from Principado de Asturias | 25 | 0 | <=100 | Listeria monocytogenes | 25 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 25 | 0 |
| | Other processed food products and prepared dishes - egg based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | | | | | DATA FROM MADRID LAB1 | 13 | 0 | <=100 | Listeria monocytogenes | 13 | 0 |
| | | | >100 | Listeria monocytogenes | 13 | 0 | | | | | |
| | Other processed food products and prepared dishes - egg based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | Other processed food products and prepared dishes - fish and seafood based dishes - Catering - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Galicia | 15 | 0 | <=100 | Listeria monocytogenes | 15 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 15 | 0 |
| | Other processed food products and prepared dishes - fish and seafood based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 4 | 0 | detection | Listeria monocytogenes | 4 | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive |
|------------------|--|--------------------|---------------|------------------------|--|--------------------|----------------------|-----------|------------------------|----------------|------------------|
| Not Available | Other processed food products and prepared dishes - fish and seafood based dishes - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 80 | 0 | <=100 | Listeria monocytogenes | 80 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 80 | 0 |
| Not Available | Other processed food products and prepared dishes - fish and seafood based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Principado de Asturias | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| Not Available | Other processed food products and prepared dishes - fish and seafood based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| Not Available | Other processed food products and prepared dishes - fish and seafood based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | Data from Canarias_Samples tested only by detection method | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| Not Available | Other processed food products and prepared dishes - fish and seafood based dishes - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 4 | 0 | <=100 | Listeria monocytogenes | 4 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 4 | 0 |
| Not Available | Other processed food products and prepared dishes - fish and seafood based dishes - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | | | | |
| Not Available | Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | | | | | Data from Comunidad Valenciana | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 |
| | | | | | Data from Euskadi | 30 | 0 | detection | Listeria monocytogenes | 30 | 0 |
| Not Available | Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| Not Available | Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 25 | 4 | detection | Listeria monocytogenes | 25 | 4 |
| Not Available | Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | | | | | Data from Principado de Asturias | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| Not Available | Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | | | | | Samples tested only by detection method | | | | | 10 | 0 |
| Not Available | Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 11 | 0 | <=100 | Listeria monocytogenes | 11 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 11 | 0 |
| | | | | | Data from Comunidad Valenciana | 27 | 0 | <=100 | Listeria monocytogenes | 27 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 27 | 0 |
| | | | | | Data from Euskadi | 71 | 1 | <=100 | Listeria monocytogenes | 71 | 1 |
| | | | >100 | Listeria monocytogenes | 71 | 0 | | | | | |
| Not Available | Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 6 | 0 | detection | Listeria monocytogenes | 6 | 0 |
| Not Available | Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 |
| Not Available | Other processed food products and prepared dishes - fish and seafood based dishes - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Extremadura | 20 | 0 | <=100 | Listeria monocytogenes | 20 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 20 | 0 |
| | | | | | Data from Illes Balears | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| Not Available | Other processed food products and prepared dishes - fish and seafood based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| Not Available | Other processed food products and prepared dishes - fish and seafood based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| Not Available | Other processed food products and prepared dishes - fish and seafood based dishes - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 100 | 0 | <=100 | Listeria monocytogenes | 100 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 100 | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive |
|---|---|--------------------|---------------|---|-----------------------|--------------------|----------------------------------|------------------------|------------------------|----------------|------------------------|
| Not Available | Other processed food products and prepared dishes - fish and seafood based dishes - School or kindergarten - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| Not Available | Other processed food products and prepared dishes - fish and seafood based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 2 | 0 | <=100 | Listeria monocytogenes | 2 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 2 | 0 |
| | | | | | DATA FROM MADRID LAB1 | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| Other processed food products and prepared dishes - ices and similar frozen desserts - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cantabria | 25 | 0 | <=100 | Listeria monocytogenes | 25 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 25 | 0 | |
| | | | | Data from Illes Balears | 20 | 0 | <=100 | Listeria monocytogenes | 20 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 20 | 0 | |
| Other processed food products and prepared dishes - ices and similar frozen desserts - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Extremadura | 75 | 0 | detection | Listeria monocytogenes | 75 | 0 | |
| Other processed food products and prepared dishes - ices and similar frozen desserts - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Illes Balears | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 10 | 0 | |
| Other processed food products and prepared dishes - ices and similar frozen desserts - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from La Rioja | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 | |
| Other processed food products and prepared dishes - ices and similar frozen desserts - water-based ice creams - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 | |
| Other processed food products and prepared dishes - ices and similar frozen desserts - water-based ice creams - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | 30 | 0 | detection | Listeria monocytogenes | 30 | 0 | |
| Other processed food products and prepared dishes - legumes based dishes - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 100 | 0 | <=100 | Listeria monocytogenes | 100 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 100 | 0 | |
| Other processed food products and prepared dishes - legumes based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 10 | 0 | |
| Other processed food products and prepared dishes - legumes based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 | |
| | | | | Castilla-La Mancha | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | |
| Other processed food products and prepared dishes - legumes based dishes - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 | |
| Other processed food products and prepared dishes - legumes based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | |
| Other processed food products and prepared dishes - legumes based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 10 | 0 | |
| | | | | | | | Data from Principado de Asturias | 5 | 0 | <=100 | Listeria monocytogenes |
| | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | |
| Other processed food products and prepared dishes - legumes based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 | |
| Other processed food products and prepared dishes - legumes based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 3 | 0 | <=100 | Listeria monocytogenes | 3 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 3 | 0 | |
| | | | | Data from Castilla-La Mancha | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 1 | 0 | |
| | | | | Data from Comunidad Valenciana | 34 | 0 | <=100 | Listeria monocytogenes | 34 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 34 | 0 | |
| Data from Euskadi | 43 | 0 | <=100 | Listeria monocytogenes | 43 | 0 | | | | | |
| | | | >100 | Listeria monocytogenes | 43 | 0 | | | | | |
| Other processed food products and prepared dishes - legumes based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias. Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | |
| Other processed food products and prepared dishes - legumes based dishes - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Galicia | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 10 | 0 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | |
|------------------|--|--------------------|------------------------|--------------------|--|--------------------|----------------------|------------------------|------------------------|----------------|------------------|
| | | | | | | | | | | N units tested | N units positive |
| Not Available | Other processed food products and prepared dishes - legumes based dishes - School or kindergarten - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 10 | 0 | |
| | Other processed food products and prepared dishes - legumes based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Principado de Asturias | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | |
| | Other processed food products and prepared dishes - legumes based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 7 | 0 | <=100 | Listeria monocytogenes | 7 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 7 | 0 | |
| | Other processed food products and prepared dishes - meat based dishes - Catering - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Galicia | 80 | 0 | <=100 | Listeria monocytogenes | 80 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 80 | 0 | |
| | Other processed food products and prepared dishes - meat based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 140 | 0 | <=100 | Listeria monocytogenes | 140 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 140 | 0 | |
| | Other processed food products and prepared dishes - meat based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Principado de Asturias | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | |
| | Other processed food products and prepared dishes - meat based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | | | | |
| | Other processed food products and prepared dishes - meat based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 9 | 0 | detection | Listeria monocytogenes | 9 | 0 |
| | | | | | Data from Canarias | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | | | | | Data from Castilla-La Mancha | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 4 | 0 | <=100 | Listeria monocytogenes | 4 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 4 | 0 | |
| | Other processed food products and prepared dishes - meat based dishes - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 4 | 0 | detection | Listeria monocytogenes | 4 | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | |
| | | | | | Data from Euskadi | 75 | 1 | <=100 | Listeria monocytogenes | 1 | 1 |
| | | | | | | | >100 | Listeria monocytogenes | 1 | 0 | |
| | | | | | Data from Extremadura | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | >100 | Listeria monocytogenes | 5 | 0 | | | | | | |
| | Other processed food products and prepared dishes - meat based dishes - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 |
| | | | | | Data from Euskadi | 75 | 1 | detection | Listeria monocytogenes | 75 | 1 |
| | Other processed food products and prepared dishes - meat based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 4 | 0 | detection | Listeria monocytogenes | 4 | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 70 | 5 | detection | Listeria monocytogenes | 70 | 5 |
| | Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | |
| | | | | | Data from Principado de Asturias | 15 | 0 | <=100 | Listeria monocytogenes | 15 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 15 | 0 | |
| | Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 20 | 0 | <=100 | Listeria monocytogenes | 20 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 20 | 0 | |
| | | | | | Data from Castilla-La Mancha | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 1 | 0 | |
| | | | | | Data from Comunidad Valenciana | 56 | 0 | <=100 | Listeria monocytogenes | 56 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 56 | 0 | |
| | Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Euskadi | 106 | 0 | <=100 | Listeria monocytogenes | 106 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 106 | 0 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive | | |
|--|---|--------------------|---------------|--------------------|--|--------------------|----------------------|------------------------|------------------------|----------------|------------------------|----|---|
| | | | | | | | | | | | | | |
| Not Available | Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 | | |
| | | | | | Data from Canarias_Samples tested only by detection method | 12 | 0 | detection | Listeria monocytogenes | 12 | 0 | | |
| | Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | | |
| | Other processed food products and prepared dishes - meat based dishes - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Galicia | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | | |
| >100 | | | | | | | | Listeria monocytogenes | 10 | 0 | | | |
| | Other processed food products and prepared dishes - meat based dishes - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 | | |
| Data from Principado de Asturias | | | | | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 | | | |
| | Other processed food products and prepared dishes - meat based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 3 | 0 | <=100 | Listeria monocytogenes | 3 | 0 | | |
| >100 | | | | | | | | Listeria monocytogenes | 3 | 0 | | | |
| <=100 | | | | | | | | Listeria monocytogenes | 15 | 1 | | | |
| >100 | | | | | | | | Listeria monocytogenes | 15 | 0 | | | |
| | Other processed food products and prepared dishes - meat based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 9 | 0 | detection | Listeria monocytogenes | 9 | 0 | | |
| | Other processed food products and prepared dishes - meat based dishes - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 100 | 0 | <=100 | Listeria monocytogenes | 100 | 0 | | |
| >100 | | | | | | | | Listeria monocytogenes | 100 | 0 | | | |
| | Other processed food products and prepared dishes - meat based dishes - School or kindergarten - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | | |
| >100 | | | | | | | | Listeria monocytogenes | 10 | 0 | | | |
| Data from Principado de Asturias | | | | | | | | 15 | 0 | <=100 | Listeria monocytogenes | 15 | 0 |
| >100 | | | | | | | | Listeria monocytogenes | 15 | 0 | | | |
| | Other processed food products and prepared dishes - meat based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 3 | 0 | <=100 | Listeria monocytogenes | 3 | 0 | | |
| >100 | | | | | | | | Listeria monocytogenes | 3 | 0 | | | |
| DATA FROM MADRID LAB1 | | | | | | | | 13 | 0 | <=100 | Listeria monocytogenes | 13 | 0 |
| >100 | | | | | | | | Listeria monocytogenes | 13 | 0 | | | |
| | Other processed food products and prepared dishes - meat based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 | | |
| | Other processed food products and prepared dishes - mushroom based dishes - Catering - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Galicia | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 | | |
| >100 | | | | | | | | Listeria monocytogenes | 5 | 0 | | | |
| | Other processed food products and prepared dishes - mushroom based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | | |
| | Other processed food products and prepared dishes - pasta - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 | | |
| >100 | | | | | | | | Listeria monocytogenes | 1 | 0 | | | |
| | Other processed food products and prepared dishes - pasta - filled pasta - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | | |
| | | | | | | | | | | | | | |
| | Other processed food products and prepared dishes - pasta - filled pasta - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 | | |
| >100 | | | | | | | | Listeria monocytogenes | 5 | 0 | | | |
| | Other processed food products and prepared dishes - pasta - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 2 | 0 | <=100 | Listeria monocytogenes | 2 | 0 | | |
| >100 | | | | | | | | Listeria monocytogenes | 2 | 0 | | | |
| | | | | | | | | | | | | | |
| | Other processed food products and prepared dishes - pasta - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 2 | 0 | <=100 | Listeria monocytogenes | 2 | 0 | | |
| >100 | | | | | | | | Listeria monocytogenes | 2 | 0 | | | |
| | Other processed food products and prepared dishes - pasta - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 20 | 6 | detection | Listeria monocytogenes | 20 | 6 | | |
| | | | | | | | | | | | | | |
| | Other processed food products and prepared dishes - pasta - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 2 | 0 | <=100 | Listeria monocytogenes | 2 | 0 | | |
| >100 | | | | | | | | Listeria monocytogenes | 2 | 0 | | | |
| | Other processed food products and prepared dishes - pasta - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | | |
| Data from Canarias_Samples tested only by detection method | | | | | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 | | | |
| | Other processed food products and prepared dishes - pasta - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 2 | 0 | <=100 | Listeria monocytogenes | 2 | 0 | | |
| >100 | | | | | | | | Listeria monocytogenes | 2 | 0 | | | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive |
|---|---|--------------------|---------------|--|--|--------------------|----------------------|----------------------------------|------------------------|----------------|------------------------|
| Not Available | Other processed food products and prepared dishes - pasta - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Other processed food products and prepared dishes - pasta - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 20 | 0 | <=100 | Listeria monocytogenes | 20 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 20 | 0 |
| | Other processed food products and prepared dishes - pasta - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Other processed food products and prepared dishes - pasta - simple pasta - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 15 | 0 | <=100 | Listeria monocytogenes | 15 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 15 | 0 |
| | | | | | | | | Data from Principado de Asturias | 10 | 0 | <=100 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | Other processed food products and prepared dishes - pasta - simple pasta - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Principado de Asturias | 15 | 0 | <=100 | Listeria monocytogenes | 15 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 15 | 0 |
| | Other processed food products and prepared dishes - pasta - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña_ASPB | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Other processed food products and prepared dishes - pasta - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Other processed food products and prepared dishes - pasta - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Other processed food products and prepared dishes - pasta based dishes - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Other processed food products and prepared dishes - pasta based dishes - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Other processed food products and prepared dishes - pasta based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | Data from Comunidad Valenciana | 115 | 0 | <=100 |
| | | | | | | | | >100 | Listeria monocytogenes | 115 | 0 |
| | Other processed food products and prepared dishes - pasta based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 32 | 0 | <=100 | Listeria monocytogenes | 32 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 32 | 0 |
| | | | | | | | | Data from Euskadi | 21 | 0 | <=100 |
| | | | | | | | | >100 | Listeria monocytogenes | 21 | 0 |
| | Other processed food products and prepared dishes - pasta based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Other processed food products and prepared dishes - pasta based dishes - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Extremadura | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Other processed food products and prepared dishes - pasta based dishes - School or kindergarten - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Other processed food products and prepared dishes - pasta based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| >100 | | | | | | | | Listeria monocytogenes | 1 | 0 | |
| DATA FROM MADRID LAB1 | | | | | | | | 1 | 0 | <=100 | Listeria monocytogenes |
| | | | | | | | >100 | Listeria monocytogenes | 1 | 0 | |
| Other processed food products and prepared dishes - pasta based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | |
| Other processed food products and prepared dishes - pasta/rice salad - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 | |
| Other processed food products and prepared dishes - pasta/rice salad - Processing plant - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 | |
| Other processed food products and prepared dishes - pasta/rice salad - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 50 | 0 | <=100 | Listeria monocytogenes | 50 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 50 | 0 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive | |
|------------------|---|--------------------|--------------------|------------------|--|----------------------|--------|------------------------|------------------------|------------------|---|
| Not Available | Other processed food products and prepared dishes - pasta/rice salad - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 4 | 0 | <=100 | Listeria monocytogenes | 4 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 4 | 0 | |
| | | | | | Data from Comunidad Valenciana | 3 | 0 | <=100 | Listeria monocytogenes | 3 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 3 | 0 | |
| | | | | | Data from Euskadi | 11 | 0 | <=100 | Listeria monocytogenes | 11 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 11 | 0 | |
| | Other processed food products and prepared dishes - pasta/rice salad - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | Data from Canarias_Samples tested only by detection method | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | Other processed food products and prepared dishes - pasta/rice salad - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Other processed food products and prepared dishes - pasta/rice salad - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Aragon | 3 | 1 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 1 |
| | Other processed food products and prepared dishes - pasta/rice salad - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 3 | 1 | detection | Listeria monocytogenes | 3 | 1 |
| | Other processed food products and prepared dishes - pasta/rice salad - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 1 | 1 | detection | Listeria monocytogenes | 1 | 1 |
| | Other processed food products and prepared dishes - pizza and pizza-like dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 3 | 0 | <=100 | Listeria monocytogenes | 3 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 3 | 0 |
| | Other processed food products and prepared dishes - pizza and pizza-like dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 |
| | Other processed food products and prepared dishes - pizza and pizza-like dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 2 | 0 | <=100 | Listeria monocytogenes | 2 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 2 | 0 |
| | Other processed food products and prepared dishes - pizza and pizza-like dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Euskadi | 6 | 0 | <=100 | Listeria monocytogenes | 6 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 6 | 0 |
| | Other processed food products and prepared dishes - pizza and pizza-like dishes - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña_ASPB | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Other processed food products and prepared dishes - pizza and pizza-like dishes - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Other processed food products and prepared dishes - potato based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | Other processed food products and prepared dishes - potato based dishes - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Other processed food products and prepared dishes - potato based dishes - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Principado de Asturias | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Other processed food products and prepared dishes - potato based dishes - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Other processed food products and prepared dishes - potato based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Euskadi | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | Other processed food products and prepared dishes - potato based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Other processed food products and prepared dishes - potato based dishes - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Extremadura | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Other processed food products and prepared dishes - potato based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Other processed food products and prepared dishes - rice based dishes - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 45 | 0 | <=100 | Listeria monocytogenes | 45 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 45 | 0 |
| | Other processed food products and prepared dishes - rice based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Other processed food products and prepared dishes - rice based dishes - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive |
|------------------|--|--------------------|---------------|--------------------|---|--------------------|----------------------|-----------|------------------------|----------------|------------------|
| Not Available | Other processed food products and prepared dishes - rice based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Principado de Asturias | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| Not Available | Other processed food products and prepared dishes - rice based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | | | | | Data from Comunidad Valenciana | 26 | 0 | <=100 | Listeria monocytogenes | 26 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 26 | 0 |
| Not Available | Other processed food products and prepared dishes - rice based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | 20 | 0 | <=100 | Listeria monocytogenes | 20 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 20 | 0 |
| Not Available | Other processed food products and prepared dishes - rice based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | Data from Canarias_Samples tested only by detection method | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| Not Available | Other processed food products and prepared dishes - rice based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| Not Available | Other processed food products and prepared dishes - rice based dishes - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Extremadura | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| Not Available | Other processed food products and prepared dishes - rice based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 2 | 0 | <=100 | Listeria monocytogenes | 2 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 2 | 0 |
| Not Available | Other processed food products and prepared dishes - rice based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 4 | 0 | detection | Listeria monocytogenes | 4 | 0 |
| Not Available | Other processed food products and prepared dishes - rice based dishes - School or kindergarten - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 15 | 0 | <=100 | Listeria monocytogenes | 15 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 15 | 0 |
| Not Available | Other processed food products and prepared dishes - rice based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 2 | 0 | <=100 | Listeria monocytogenes | 2 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 2 | 0 |
| | | | | | DATA FROM MADRID LAB1 | 4 | 0 | <=100 | Listeria monocytogenes | 4 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 4 | 0 |
| Not Available | Other processed food products and prepared dishes - sandwiches - non-meat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 3 | 0 | <=100 | Listeria monocytogenes | 3 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 3 | 0 |
| Not Available | Other processed food products and prepared dishes - sandwiches - non-meat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| Not Available | Other processed food products and prepared dishes - sandwiches - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| Not Available | Other processed food products and prepared dishes - sandwiches - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Euskadi | 11 | 0 | <=100 | Listeria monocytogenes | 11 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 11 | 0 |
| Not Available | Other processed food products and prepared dishes - sandwiches - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 10 | Gram | Data from Aragon | 2 | 1 | <=100 | Listeria monocytogenes | 1 | 1 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| Not Available | Other processed food products and prepared dishes - sandwiches - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 2 | 1 | detection | Listeria monocytogenes | 2 | 1 |
| Not Available | Other processed food products and prepared dishes - sandwiches - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| Not Available | Other processed food products and prepared dishes - sandwiches - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla y León | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| Not Available | Other processed food products and prepared dishes - Sandwiches - with fish - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| Not Available | Other processed food products and prepared dishes - Sandwiches - with fish - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 6 | 0 | <=100 | Listeria monocytogenes | 6 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 6 | 0 |
| Not Available | Other processed food products and prepared dishes - Sandwiches - with fish - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Illes Balears | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| Not Available | Other processed food products and prepared dishes - Sandwiches - with fish - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| Not Available | Other processed food products and prepared dishes - sandwiches - with meat - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight unit | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive |
|--|--|--------------------|--------------------|----------------------------------|--|--------------------|----------------------|------------------------|------------------------|----------------|------------------|
| Not Available | Other processed food products and prepared dishes - sandwiches - with meat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 4 | 0 | <=100 | Listeria monocytogenes | 4 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 4 | 0 |
| | Other processed food products and prepared dishes - sandwiches - with meat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 4 | 0 | detection | Listeria monocytogenes | 4 | 0 |
| | | | | | | | | | | | |
| | Other processed food products and prepared dishes - sandwiches - with meat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Illes Balears | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Other processed food products and prepared dishes - sandwiches - with meat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 2 | 0 | <=100 | Listeria monocytogenes | 2 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 2 | 0 |
| | Other processed food products and prepared dishes - sushi - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Other processed food products and prepared dishes - sushi - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Other processed food products and prepared dishes - sushi - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Other processed food products and prepared dishes - sushi - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Other processed food products and prepared dishes - sushi - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 2 | 0 | <=100 | Listeria monocytogenes | 2 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 2 | 0 |
| | | | | | Data from Euskadi | 2 | 0 | <=100 | Listeria monocytogenes | 2 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 2 | 0 |
| | Other processed food products and prepared dishes - sushi - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Illes Balears | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | | | | | Data From Madrid LAB 2 | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Other processed food products and prepared dishes - sushi - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | | | | | Data from Cataluña | 7 | 1 | <=100 | Listeria monocytogenes | 1 | 1 |
| | | | | >100 | Listeria monocytogenes | 1 | 0 | | | | |
| | Other processed food products and prepared dishes - sushi - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | Data from Cataluña | 7 | 1 | detection | Listeria monocytogenes | 7 | 1 |
| | Other processed food products and prepared dishes - unspecified - containing raw egg - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Other processed food products and prepared dishes - unspecified - containing raw egg - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 2 | 0 | <=100 | Listeria monocytogenes | 2 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 2 | 0 |
| | Other processed food products and prepared dishes - unspecified - containing raw egg - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| >100 | | | | | | | | Listeria monocytogenes | 1 | 0 | |
| Other processed food products and prepared dishes - unspecified - non-ready-to-eat foods - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | |
| Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Catering - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 8 | 0 | detection | Listeria monocytogenes | 8 | 0 | |
| Other processed food products and prepared dishes - unspecified - ready-to-eat foods - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cantabria | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 10 | 0 | |
| | | | | Data from Extremadura | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 10 | 0 | |
| Other processed food products and prepared dishes - unspecified - ready-to-eat foods - frozen - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Principado de Asturias | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 10 | 0 | |
| Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 | |
| Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | |
| Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive |
|------------------|---|--------------------|---------------|--------------------|--|--------------------|----------------------|-----------|------------------------|----------------|------------------|
| | | | | | | | | | | | |
| Not Available | Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Euskadi | 3 | 0 | <=100 | Listeria monocytogenes | 3 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 3 | 0 |
| Not Available | Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 |
| | | | | | | | | | | | |
| Not Available | Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | | | | | | | | | | | |
| Not Available | Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cantabria | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | <=100 | Listeria monocytogenes | 20 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 20 | 0 |
| | | | | | | | | <=100 | Listeria monocytogenes | 40 | 0 |
| Not Available | Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | 20 | 0 | >100 | Listeria monocytogenes | 40 | 0 |
| | | | | | | | | | | | |
| Not Available | Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | 20 | 0 | detection | Listeria monocytogenes | 20 | 0 |
| | | | | | | | | | | | |
| Not Available | Other processed food products and prepared dishes - vegetable based dishes - Catering - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Galicia | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| Not Available | Other processed food products and prepared dishes - vegetable based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 2 | 0 | <=100 | Listeria monocytogenes | 2 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 2 | 0 |
| Not Available | Other processed food products and prepared dishes - vegetable based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| Not Available | Other processed food products and prepared dishes - vegetable based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 13 | 0 | detection | Listeria monocytogenes | 13 | 0 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| Not Available | Other processed food products and prepared dishes - vegetable based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 4 | 0 | detection | Listeria monocytogenes | 4 | 0 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| Not Available | Other processed food products and prepared dishes - vegetable based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| Not Available | Other processed food products and prepared dishes - vegetable based dishes - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 2 | 0 | <=100 | Listeria monocytogenes | 2 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 2 | 0 |
| Not Available | Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla y León | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | <=100 | Listeria monocytogenes | 115 | 0 |
| Not Available | Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 115 | 0 | <=100 | Listeria monocytogenes | 115 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 115 | 0 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| Not Available | Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| Not Available | Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana_samples tested only by detection method | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| Not Available | Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| Not Available | Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 |
| | | | | | | | | | | | |
| Not Available | Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 75 | 4 | detection | Listeria monocytogenes | 75 | 4 |
| | | | | | | | | | | | |
| Not Available | Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 20 | 0 | <=100 | Listeria monocytogenes | 20 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 20 | 0 |
| | | | | | | | | <=100 | Listeria monocytogenes | 5 | 0 |
| Not Available | Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Principado de Asturias | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive | |
|------------------|---|--------------------|--------------------|------------------|---|----------------------|--------|---------------|--|------------------|--------|
| Not Available | Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 5 | 1 | detection | Listeria monocytogenes | 5 | 1 |
| | Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 15 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 15 15 | 0 0 |
| | | | | | Data from Comunidad Valenciana | 26 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 26 26 | 0 0 |
| | | | | | Data from Euskadi | 63 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 63 63 | 0 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | Data from Canarias_Samples tested only by detection method | 7 | 0 | detection | Listeria monocytogenes | 7 | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña_ASPB | 5 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 5 5 | 0 0 |
| | | | | | Data from Extremadura | 20 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 20 20 | 0 0 |
| | | | | | Data from Galicia | 15 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 15 15 | 0 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | Data from Cataluña_ASPB | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 2 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 2 2 | 0 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 195 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 195 195 | 0 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - School or kindergarten - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Principado de Asturias | 15 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 15 15 | 0 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 1 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 1 1 | 0 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Other products of animal origin - gelatin and collagen - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 5 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 5 5 | 0 0 |
| | Other products of animal origin - gelatin and collagen - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | Other products of animal origin - gelatin and collagen - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 135 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 135 135 | 0 0 |
| | Other products of animal origin - gelatin and collagen - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 45 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 45 45 | 0 0 |
| | Ready-to-eat salads - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 1 1 | 0 0 |
| | Ready-to-eat salads - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Ready-to-eat salads - containing mayonnaise - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | Data from Canarias | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | Ready-to-eat salads - containing mayonnaise - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 5 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 5 5 | 0 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive |
|------------------|--|--------------------|---------------|--------------------|---|--------------------|----------------------|-----------|------------------------|----------------|------------------|
| Not Available | Ready-to-eat salads - containing mayonnaise - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Ready-to-eat salads - containing mayonnaise - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 20 | 3 | <=100 | Listeria monocytogenes | 3 | 3 |
| | | | | | | | | >100 | Listeria monocytogenes | 3 | 0 |
| | Ready-to-eat salads - containing mayonnaise - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | Data from Comunidad Valenciana | 20 | 3 | detection | Listeria monocytogenes | 20 | 3 |
| | | | | | Data from Euskadi | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Ready-to-eat salads - containing mayonnaise - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | | | | | Data from Comunidad Valenciana | 40 | 0 | <=100 | Listeria monocytogenes | 40 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 40 | 0 |
| | Ready-to-eat salads - containing mayonnaise - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 10 | 1 | detection | Listeria monocytogenes | 10 | 1 |
| | Ready-to-eat salads - containing mayonnaise - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 30 | 0 | <=100 | Listeria monocytogenes | 30 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 30 | 0 |
| | | | | | Data from Comunidad Valenciana | 13 | 0 | <=100 | Listeria monocytogenes | 13 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 13 | 0 |
| | | | | | Data from Euskadi | 9 | 0 | <=100 | Listeria monocytogenes | 9 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 9 | 0 |
| | Ready-to-eat salads - containing mayonnaise - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 |
| | Ready-to-eat salads - containing mayonnaise - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 3 | 0 | <=100 | Listeria monocytogenes | 3 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 3 | 0 |
| | | | | | Data from Cataluña | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Ready-to-eat salads - containing mayonnaise - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 4 | 0 | detection | Listeria monocytogenes | 4 | 0 |
| | | | | | Data from Cataluña | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Ready-to-eat salads - Hospital or medical care facility - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Ready-to-eat salads - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 4 | 0 | <=100 | Listeria monocytogenes | 4 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 4 | 0 |
| | Ready-to-eat salads - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Ready-to-eat salads - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 4 | 0 | <=100 | Listeria monocytogenes | 4 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 4 | 0 |
| | Ready-to-eat salads - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Ready-to-eat salads - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 10 | 0 |
| | | | | | Data from Comunidad Valenciana | 300 | 0 | <=100 | Listeria monocytogenes | 300 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 300 | 0 |
| | | | | | Data from Euskadi | 25 | 4 | <=100 | Listeria monocytogenes | 4 | 4 |
| | | | | | | | | >100 | Listeria monocytogenes | 4 | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive |
|------------------|--|--------------------|---------------|--------------------|---|--------------------|----------------------|------------------------|------------------------|----------------|------------------|
| Not Available | Ready-to-eat salads - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana_samp les tested only by detection method | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 |
| | | | | | Data from Euskadi | 25 | 4 | detection | Listeria monocytogenes | 25 | 4 |
| Not Available | Ready-to-eat salads - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 50 | 4 | <=100 | Listeria monocytogenes | 50 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 50 | 4 | |
| | | | | | Data from Comunidad Valenciana | 86 | 0 | <=100 | Listeria monocytogenes | 86 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 86 | 0 | |
| Not Available | Ready-to-eat salads - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | 81 | 0 | <=100 | Listeria monocytogenes | 81 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 81 | 0 | |
| Not Available | Ready-to-eat salads - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias_Sample s tested only by detection method | 18 | 0 | detection | Listeria monocytogenes | 18 | 0 |
| | | | | | Data from Aragon | 6 | 1 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 1 | 1 | |
| | | | | | Data from Canarias | 2 | 0 | <=100 | Listeria monocytogenes | 2 | 0 |
| Not Available | Ready-to-eat salads - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 6 | 1 | <=100 | Listeria monocytogenes | 6 | 1 |
| | | | | | | | >100 | Listeria monocytogenes | 6 | 1 | |
| | | | | | Data from Cataluña | 4 | 0 | <=100 | Listeria monocytogenes | 4 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 4 | 0 | |
| Not Available | Ready-to-eat salads - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 6 | 1 | detection | Listeria monocytogenes | 6 | 1 |
| | | | | | Data from Canarias_Sample s tested only by detection method | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 |
| | | | | | Data from Castilla-La Mancha. Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | Data from Cataluña | 4 | 0 | detection | Listeria monocytogenes | 4 | 0 |
| Not Available | Ready-to-eat salads - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 |
| Not Available | Ready-to-eat salads - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | |
| Not Available | Ready-to-eat salads - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | | | | |
| Not Available | Sauce and dressings - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 10 | 0 | |
| Not Available | Sauce and dressings - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 |
| Not Available | Sauce and dressings - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña_ASPB | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | |
| Not Available | Sauce and dressings - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | | | | |
| Not Available | Seeds, sprouted - non-ready-to-eat - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 42 | 0 | detection | Listeria monocytogenes | 42 | 0 |
| | | | | | | | | | | | |
| Not Available | Seeds, sprouted - non-ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 9 | 0 | <=100 | Listeria monocytogenes | 9 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 9 | 0 | |
| Not Available | Seeds, sprouted - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | |
| Not Available | Seeds, sprouted - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | Data from Euskadi | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| Not Available | Seeds, sprouted - ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cantabria | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | |
| | | | | | Data from Galicia | 50 | 0 | <=100 | Listeria monocytogenes | 50 | 0 |
| | | | | >100 | Listeria monocytogenes | 50 | 0 | | | | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive | |
|---|---|--------------------|--------------------|--------------------------------|---|----------------------|-----------|------------------------|------------------------|------------------|---|
| Not Available | Seeds, sprouted - ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Principado de Asturias | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Seeds, sprouted - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | | | | | Data from Comunidad Valenciana | 4 | 0 | <=100 | Listeria monocytogenes | 4 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 4 | 0 |
| | Seeds, sprouted - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Seeds, sprouted - ready-to-eat - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 4 | 0 | detection | Listeria monocytogenes | 4 | 0 |
| | Seeds, sprouted - shoot - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 |
| | Soups - ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Soups - ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Euskadi | 3 | 0 | <=100 | Listeria monocytogenes | 3 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 3 | 0 |
| | Soups - ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Soups - ready-to-eat - School or kindergarten - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Soups - ready-to-eat - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB1 | 9 | 0 | <=100 | Listeria monocytogenes | 9 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 9 | 0 |
| | Soups - ready-to-eat - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Spice seeds - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | | | | |
| | Spices and herbs - dried - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 175 | 0 | <=100 | Listeria monocytogenes | 175 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 175 | 0 |
| | Spices and herbs - dried - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Spices and herbs - dried - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Spices and herbs - dried - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | Spices and herbs - dried - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 18 | 0 | detection | Listeria monocytogenes | 18 | 0 |
| | Spices and herbs - dried - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 12 | 0 | detection | Listeria monocytogenes | 12 | 0 |
| | Spices and herbs - fresh - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 25 | 0 | <=100 | Listeria monocytogenes | 25 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 25 | 0 |
| | Spinach - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla y León | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| >100 | | | | | | | | Listeria monocytogenes | 5 | 0 | |
| Spring onion - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla y León | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 5 | 0 | |
| Strawberries - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 | |
| Surimi - chilled - Border Control Posts - Not Available - food sample - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 10 | Gram | N_A | 15 | 0 | <=100 | Listeria monocytogenes | 15 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 15 | 0 | |
| Surimi - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 | |
| Surimi - frozen - Border Control Posts - Not Available - food sample - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 10 | Gram | N_A | 10 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 10 | 0 | |
| Surimi - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 6 | 0 | <=100 | Listeria monocytogenes | 6 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 6 | 0 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive |
|---|--|--------------------|--------------------|------------------------|---|--------------------|------------------------|--------------------------------|------------------------|----------------|------------------|
| | | | | | | | | | | | |
| Not Available | Surimi - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 6 | 0 | detection | Listeria monocytogenes | 6 | 0 |
| | Sweet corn - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla y León | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | 5 | 1 | <=100 | Listeria monocytogenes | 1 | 1 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Sweet corn - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 5 | 1 | detection | Listeria monocytogenes | 5 | 1 |
| | Vegetables - brassica - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Vegetables - bulb/ clove - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| | Vegetables - pre-cut - frozen vegetables - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Extremadura | 15 | 0 | <=100 | Listeria monocytogenes | 15 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 15 | 0 |
| | Vegetables - pre-cut - frozen vegetables - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Extremadura | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 |
| | Vegetables - pre-cut - frozen vegetables - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 4 | 0 | detection | Listeria monocytogenes | 4 | 0 |
| | Vegetables - pre-cut - non-ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Vegetables - pre-cut - non-ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 |
| | Vegetables - pre-cut - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Vegetables - pre-cut - ready-to-eat - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 35 | 0 | <=100 | Listeria monocytogenes | 35 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 35 | 0 |
| | Vegetables - pre-cut - ready-to-eat - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 35 | 0 | <=100 | Listeria monocytogenes | 35 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 35 | 0 |
| | Vegetables - pre-cut - ready-to-eat - Packing centre - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Vegetables - pre-cut - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | 5 | 0 | <=100 | Listeria monocytogenes | 5 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 5 | 0 |
| | Vegetables - pre-cut - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha. Samples tested only by detection method | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | | | | | | | | Data from Comunidad Valenciana | 20 | 0 | detection |
| | Vegetables - pre-cut - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 1 | 0 | <=100 | Listeria monocytogenes | 1 | 0 |
| | | | | | | | | >100 | Listeria monocytogenes | 1 | 0 |
| Vegetables - pre-cut - ready-to-eat - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | 45 | 0 | detection | Listeria monocytogenes | 45 | 0 | |
| Vegetables - pre-cut - ready-to-eat - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 3 | 0 | detection | Listeria monocytogenes | 3 | 0 | |
| Vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 15 | 0 | <=100 | Listeria monocytogenes | 15 | 0 | |
| | | | | | | | >100 | Listeria monocytogenes | 15 | 0 | |
| | | | | 30 | 0 | <=100 | Listeria monocytogenes | 30 | 0 | | |
| | | | | | | >100 | Listeria monocytogenes | 30 | 0 | | |
| | | | | 15 | 0 | <=100 | Listeria monocytogenes | 10 | 0 | | |
| | | | | | | >100 | Listeria monocytogenes | 10 | 0 | | |
| | | | | 80 | 0 | <=100 | Listeria monocytogenes | 80 | 0 | | |
| | | | | | | >100 | Listeria monocytogenes | 80 | 0 | | |
| | | | | 20 | 0 | <=100 | Listeria monocytogenes | 20 | 0 | | |
| | | | | | | >100 | Listeria monocytogenes | 20 | 0 | | |
| Data from Castilla y León | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 | | | | | |
| | | | Data from Cataluña | 15 | 0 | detection | Listeria monocytogenes | 15 | 0 | | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | total units tested | total units positive | Method | Zoonoses | N units tested | N units positive |
|------------------|--|--------------------|---------------|--------------------|--|--------------------|----------------------|---------------|--|----------------|------------------|
| Not Available | Vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from La Rioja_Samples tested only by detection method | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | Vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 2 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 2 2 | 0 0 |
| | Vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | | | | | Data from Castilla-La Mancha | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Vegetables - pre-cut - ready-to-eat - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 445 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 445 445 | 0 0 |
| | Vegetables - pre-cut - ready-to-eat - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 9 | 0 | detection | Listeria monocytogenes | 9 | 0 |
| | Vegetables - pre-cut - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 1 1 | 0 0 |
| | Vegetables - pre-cut - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | 1 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 1 1 | 0 0 |
| | Vegetables - pre-cut - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias_Samples tested only by detection method | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |
| | Vegetables - pre-cut - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | 2 | 0 | detection | Listeria monocytogenes | 2 | 0 |
| | Vegetables - products - cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 10 | Gram | Data from Cataluña | 20 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 20 20 | 0 0 |
| | Vegetables - products - cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | 20 | 0 | detection | Listeria monocytogenes | 20 | 0 |
| | Vegetables - products - cooked - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | 5 | 0 | detection | Listeria monocytogenes | 5 | 0 |
| | Vegetables - products - dried - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | 10 | 0 | detection | Listeria monocytogenes | 10 | 0 |
| | Vegetables - products - fruit purée - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 10 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 10 10 | 0 0 |
| | Vegetables - products - fruit purée - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | 3 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 3 3 | 0 0 |
| | Vegetables - roots and tubers - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | 10 | 0 | <=100 >100 | Listeria monocytogenes Listeria monocytogenes | 10 10 | 0 0 |
| | Watermelon - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | 1 | 0 | detection | Listeria monocytogenes | 1 | 0 |

Table LYSSAVIRUS:Lyssavirus in animal

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling Details | Method | Sampling unit | total units | | Zoonoses | N units positive |
|------------------|---|------------------|---------------|---------------|-------------|----------|---------------------------|------------------|
| | | | | | tested | positive | | |
| SPAIN | Badgers - wild - Natural habitat - Spain - animal sample - brain - Monitoring - passive - Official sampling - Suspect sampling | N_A | Not Available | animal | 4 | 0 | Lyssavirus | 0 |
| | Bats - wild - Natural habitat - Spain - animal sample - brain - Monitoring - passive - Official sampling - Suspect sampling | N_A | Not Available | animal | 127 | 5 | European bat lyssavirus 1 | 5 |
| | Cats - pet animals - Veterinary clinics - Spain - animal sample - brain - Monitoring - passive - Official sampling - Suspect sampling | N_A | Not Available | animal | 20 | 0 | Lyssavirus | 0 |
| | Dogs - pet animals - Veterinary clinics - Spain - animal sample - brain - Monitoring - passive - Official sampling - Suspect sampling | N_A | Not Available | animal | 24 | 0 | Lyssavirus | 0 |
| | Foxes - wild - Natural habitat - Spain - animal sample - brain - Monitoring - passive - Official sampling - Suspect sampling | N_A | Not Available | animal | 5 | 0 | Lyssavirus | 0 |
| | Rats - wild - Natural habitat - Spain - animal sample - brain - Monitoring - passive - Official sampling - Suspect sampling | N_A | Not Available | animal | 5 | 0 | Lyssavirus | 0 |

Table MYCOBACTERIUM:Mycobacterium in animal

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling Details | Method | Sampling unit | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|----------------------------------|---|---------------|--------------------|----------------------|--|------------------|
| Not Available | Cattle (bovine animals) - adult cattle over 2 years - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 114359 | 411 | Mycobacterium spp., unspecified | 411 |
| | | Data from Galicia | Visual inspection | animal | 394030 | 44 | Mycobacterium spp., unspecified | 44 |
| | Cattle (bovine animals) - calves (under 1 year) - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Principado de Asturias | Visual inspection | animal | 18191 | 1 | Mycobacterium spp., unspecified | 1 |
| | Cattle (bovine animals) - meat production animals - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Navarra | Visual inspection | animal | 57079 | 13 | Mycobacterium spp., unspecified | 13 |
| | Cattle (bovine animals) - meat production animals - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Euskadi | Visual inspection | animal | 10 | 1 | Mycobacterium spp., unspecified | 1 |
| | Cattle (bovine animals) - meat production animals - young cattle (1-2 years) - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Murcia | Visual inspection | animal | 60271 | 57 | Mycobacterium spp., unspecified | 57 |
| | Cattle (bovine animals) - mixed herds - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Cantabria | Visual inspection | animal | 36390 | 238 | Mycobacterium spp., unspecified | 238 |
| | Cattle (bovine animals) - others - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 316423 | 92 | Mycobacterium spp., unspecified | 92 |
| | | Data from Principado de Asturias | Visual inspection | animal | 41589 | 11 | Mycobacterium spp., unspecified | 11 |
| | Cattle (bovine animals) - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from La Rioja | Visual inspection | animal | 7192 | 25 | Mycobacterium spp., unspecified | 25 |
| | Cattle (bovine animals) - Slaughterhouse - Portugal - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 3373 | 10 | Mycobacterium spp., unspecified | 10 |
| | Cattle (bovine animals) - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 102424 | 82 | Mycobacterium spp., unspecified | 82 |
| | | Data from Aragon | Visual inspection | animal | 87 | 7 | Mycobacterium spp., unspecified | 7 |
| | | Data from Canarias | Visual inspection | animal | 13504 | 5 | Mycobacterium spp., unspecified | 5 |
| | | Data from Castilla-La Mancha | Visual inspection | animal | 199737 | 192 | Mycobacterium spp., unspecified | 192 |
| | | Data from Comunidad Valenciana | Visual inspection | animal | 285360 | 50 | Mycobacterium spp., unspecified | 50 |
| | | Data from Extremadura | Visual inspection | animal | 228357 | 484 | Mycobacterium spp., unspecified | 484 |
| | | Data from Madrid | Visual inspection | animal | 151008 | 143 | Mycobacterium spp., unspecified | 143 |
| | Cattle (bovine animals) - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Suspect sampling | Data from Catalunya | Real-Time PCR (qualitative or quantitative) | animal | 22 | 4 | Mycobacterium tuberculosis complex (MTC) | 4 |
| | Deer - farmed - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 3890 | 8 | Mycobacterium spp., unspecified | 8 |
| | Deer - wild - fallow deer - Game handling establishment - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla-La Mancha | Visual inspection | animal | 8240 | 4 | Mycobacterium spp., unspecified | 4 |
| | Deer - wild - fallow deer - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 828 | 0 | Mycobacterium | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling Details | Method | Sampling unit | total units | total units | Zoonoses | N units positive |
|------------------|--|----------------------------------|-------------------|---------------|--------------|-------------|---------------------------------|------------------|
| | | | | | tested | positive | | |
| Not Available | Deer - wild - Game handling establishment - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 80553 | 39 | Mycobacterium spp., unspecified | 39 |
| | | Data from Castilla-La Mancha | Visual inspection | animal | 43642 | 39 | Mycobacterium spp., unspecified | 39 |
| | | Data from Extremadura | Visual inspection | animal | 53852 | 16 | Mycobacterium spp., unspecified | 16 |
| | | Data from Principado de Asturias | Visual inspection | animal | 8 | 0 | Mycobacterium | 0 |
| | Deer - wild - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Extremadura | Visual inspection | animal | 35014 | 703 | Mycobacterium spp., unspecified | 703 |
| | Deer - wild - red deer - Game handling establishment - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 104 | 0 | Mycobacterium | 0 |
| | Deer - wild - red deer - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Census | Data from Madrid | Visual inspection | animal | 52 | 0 | Mycobacterium | 0 |
| | Deer - wild - red deer - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 1700 | 18 | Mycobacterium spp., unspecified | 18 |
| | Deer - wild - roe deer - Game handling establishment - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla-La Mancha | Visual inspection | animal | 1776 | 0 | Mycobacterium | 0 |
| | Deer - wild - roe deer - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 2 | 0 | Mycobacterium | 0 |
| | Deer - wild - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 54 | 0 | Mycobacterium | 0 |
| | Gallus gallus (fowl) - broilers - unspecified - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 6321838 1 | 0 | Mycobacterium | 0 |
| | Gallus gallus (fowl) - unspecified - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 423928 | 0 | Mycobacterium | 0 |
| | Goats - animals over 1 year - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 34324 | 478 | Mycobacterium spp., unspecified | 478 |
| | Goats - animals under 1 year - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 73497 | 0 | Mycobacterium | 0 |
| | | Data from Murcia | Visual inspection | animal | 45092 | 213 | Mycobacterium spp., unspecified | 213 |
| | Goats - meat production animals - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Comunidad Valenciana | Visual inspection | animal | 40815 | 0 | Mycobacterium | 0 |
| | | Data from Extremadura | Visual inspection | animal | 8997 | 0 | Mycobacterium | 0 |
| | Goats - mixed herds - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Cantabria | Visual inspection | animal | 491 | 0 | Mycobacterium | 0 |
| | Goats - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from La Rioja | Visual inspection | animal | 339140 | 317 | Mycobacterium spp., unspecified | 317 |
| | | Data from Navarra | Visual inspection | animal | 6814 | 0 | Mycobacterium | 0 |
| | Goats - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 516678 | 2929 | Mycobacterium spp., unspecified | 2,929 |
| | | Data from Canarias | Visual inspection | animal | 11980 | 0 | Mycobacterium | 0 |
| | | Data from Castilla-La Mancha | Visual inspection | animal | 97680 | 85 | Mycobacterium spp., unspecified | 85 |
| | | Data from Madrid | Visual inspection | animal | 13835 | 570 | Mycobacterium spp., unspecified | 570 |
| | Mouflons - wild - Game handling establishment - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 5006 | 1 | Mycobacterium spp., unspecified | 1 |
| | | Data from Castilla-La Mancha | Visual inspection | animal | 2911 | 1 | Mycobacterium spp., unspecified | 1 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling Details | Method | Sampling unit | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------------------|---|---------------|--------------------|----------------------|---------------------------------|------------------|
| Not Available | Mouffons - wild - Game handling establishment - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Suspect sampling | Data from Catalunya | Real-Time PCR (qualitative or quantitative) | animal | 2 | 0 | Mycobacterium | 0 |
| | Mouffons - wild - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 268 | 0 | Mycobacterium | 0 |
| | Mountain goats - wild - Game handling establishment - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla-La Mancha | Visual inspection | animal | 1 | 0 | Mycobacterium | 0 |
| | Pigs - breeding animals - others - not raised under controlled housing conditions - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 14342 | 8 | Mycobacterium spp., unspecified | 8 |
| | Pigs - breeding animals - others - not raised under controlled housing conditions - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Suspect sampling | Data from Catalunya | Real-Time PCR (qualitative or quantitative) | animal | 1 | 0 | Mycobacterium | 0 |
| | Pigs - fattening pigs - others - not raised under controlled housing conditions - Farm - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Census | Data from Madrid | Visual inspection | animal | 38 | 0 | Mycobacterium | 0 |
| | Pigs - fattening pigs - others - not raised under controlled housing conditions - outdoors - Farm - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 2177 | 0 | Mycobacterium | 0 |
| | | Data from Extremadura | Visual inspection | animal | 4940 | 4 | Mycobacterium spp., unspecified | 4 |
| | Pigs - fattening pigs - others - not raised under controlled housing conditions - piglets - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 391995 | 0 | Mycobacterium | 0 |
| | Pigs - fattening pigs - others - not raised under controlled housing conditions - Slaughterhouse - Portugal - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 24070 | 0 | Mycobacterium | 0 |
| | Pigs - fattening pigs - others - not raised under controlled housing conditions - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 3281615 | 210 | Mycobacterium spp., unspecified | 210 |
| | | Data from Castilla y León | Visual inspection | animal | 5908464 | 1647 | Mycobacterium spp., unspecified | 1,647 |
| | | Data from Extremadura | Visual inspection | animal | 482950 | 259 | Mycobacterium spp., unspecified | 259 |
| | Pigs - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from La Rioja | Visual inspection | animal | 22183 | 0 | Mycobacterium | 0 |
| | Pigs - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Canarias | Visual inspection | animal | 42968 | 0 | Mycobacterium | 0 |
| | | Data from Castilla-La Mancha | Visual inspection | animal | 4065409 | 11 | Mycobacterium spp., unspecified | 11 |
| | | Data from Comunidad Valenciana | Visual inspection | animal | 1373562 | 28 | Mycobacterium spp., unspecified | 28 |
| | Rabbits - farmed - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 7113799 | 0 | Mycobacterium | 0 |
| | Sheep - animals over 1 year - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 388964 | 1 | Mycobacterium spp., unspecified | 1 |
| | Sheep - animals under 1 year (lambs) - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 2979301 | 0 | Mycobacterium | 0 |
| | Sheep - meat production animals - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Comunidad Valenciana | Visual inspection | animal | 548355 | 0 | Mycobacterium | 0 |
| | | Data from Extremadura | Visual inspection | animal | 231677 | 0 | Mycobacterium | 0 |
| | Sheep - meat production animals - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Suspect sampling | Data from Catalunya | Real-Time PCR (qualitative or quantitative) | animal | 5 | 0 | Mycobacterium | 0 |
| | Sheep - mixed herds - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Cantabria | Visual inspection | animal | 395 | 0 | Mycobacterium | 0 |
| | Sheep - Slaughterhouse - France - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Visual inspection | animal | 1817 | 0 | Mycobacterium | 0 |
| | Sheep - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Navarra | Visual inspection | animal | 172452 | 4 | Mycobacterium spp., unspecified | 4 |
| | Sheep - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 484184 | 61 | Mycobacterium spp., unspecified | 61 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling Details | Method | Sampling unit | total units | total units | Zoonoses | N units positive |
|--|---|----------------------------------|---|---------------|-------------|---------------------------------|--|------------------|
| | | | | | tested | positive | | |
| Not Available | Sheep - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Canarias | Visual inspection | animal | 62278 | 0 | Mycobacterium | 0 |
| | | Data from Castilla-La Mancha | Visual inspection | animal | 1262183 | 20 | Mycobacterium spp., unspecified | 20 |
| | | Data from Madrid | Visual inspection | animal | 126458 | 10 | Mycobacterium spp., unspecified | 10 |
| | Solipeds, domestic - horses - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from La Rioja | Visual inspection | animal | 13 | 0 | Mycobacterium | 0 |
| | Solipeds, domestic - horses - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 2816 | 0 | Mycobacterium | 0 |
| | Solipeds, domestic - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 474 | 0 | Mycobacterium | 0 |
| | | Data from Castilla-La Mancha | Visual inspection | animal | 6 | 0 | Mycobacterium | 0 |
| | Turkeys - meat production flocks - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 1381198 | 0 | Mycobacterium | 0 |
| | Wild boars - farmed - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 1092 | 76 | Mycobacterium spp., unspecified | 76 |
| | Wild boars - wild - Game handling establishment - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | DATA FROM ANDALUCÍA | Visual inspection | animal | 68532 | 27 | Mycobacterium spp., unspecified | 27 |
| | | Data from Castilla-La Mancha | Visual inspection | animal | 43509 | 159 | Mycobacterium spp., unspecified | 159 |
| | | Data from Extremadura | Visual inspection | animal | 46572 | 0 | Mycobacterium | 0 |
| | | Data from Principado de Asturias | Visual inspection | animal | 288 | 1 | Mycobacterium spp., unspecified | 1 |
| | Wild boars - wild - Game handling establishment - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Suspect sampling | Data from Catalunya | Real-Time PCR (qualitative or quantitative) | animal | 18 | 8 | Mycobacterium tuberculosis complex (MTC) | 8 |
| | Wild boars - wild - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Census | Data from Madrid | Visual inspection | animal | 521 | 0 | Mycobacterium | 0 |
| Wild boars - wild - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Extremadura | Visual inspection | animal | 19317 | 2759 | Mycobacterium spp., unspecified | 2,759 | |
| | Data from Madrid | Visual inspection | animal | 1196 | 15 | Mycobacterium spp., unspecified | 15 | |
| Wild boars - wild - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Visual inspection | animal | 29 | 0 | Mycobacterium | 0 | |
| SPAIN | Badgers - wild - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling | N_A | Microbiological tests | animal | 177 | 6 | Mycobacterium tuberculosis complex (MTC) | 6 |
| | Deer - wild - fallow deer - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling | N_A | Microbiological tests | animal | 63 | 11 | Mycobacterium tuberculosis complex (MTC) | 11 |
| | Deer - wild - red deer - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling | N_A | Microbiological tests | animal | 800 | 70 | Mycobacterium tuberculosis complex (MTC) | 70 |
| | Deer - wild - roe deer - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling | N_A | Microbiological tests | animal | 169 | 1 | Mycobacterium tuberculosis complex (MTC) | 1 |
| | Foxes - wild - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling | N_A | Microbiological tests | animal | 67 | 5 | Mycobacterium tuberculosis complex (MTC) | 5 |
| | Goats - Farm - Spain - animal sample - organ/tissue - Control and eradication programmes - Official sampling - Selective sampling | N_A | Skin test | herd/flock | 5838 | 495 | Mycobacterium tuberculosis complex (MTC) | 495 |
| | Sheep - Farm - Spain - animal sample - organ/tissue - Control and eradication programmes - Official sampling - Selective sampling | N_A | Skin test | herd/flock | 64 | 2 | Mycobacterium tuberculosis complex (MTC) | 2 |
| | Wild boars - wild - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling | N_A | Microbiological tests | animal | 3173 | 395 | Mycobacterium tuberculosis complex (MTC) | 395 |

Table SALMONELLA:Salmonella in animal

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Number of Flocks Under Control Programme | Target Verification | Sampling Details | Method | total units tested | total units positive | Zoonoses | Units positive |
|------------------|---|---------------|--|---------------------|------------------|---------------|--------------------|----------------------|---------------------------|----------------|
| | | | | | | | | | | |
| SPAIN | Gallus gallus (fowl) - breeding flocks for broiler production line - adult - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census | herd/flock | 1574 | Y | N_A | Not Available | 1574 | 86 | Salmonella 1,4,5,12:i:- | 1 |
| | | | | | | | | | Salmonella Enteritidis | 1 |
| | | | | | | | | | Salmonella Infantis | 1 |
| | | | | | | | | | Salmonella Mikawasima | 3 |
| | | | | | | | | | Salmonella Newport | 3 |
| | | | | | | | | | Salmonella Other serovars | 49 |
| | | | | | | | | | Salmonella Rissen | 1 |
| | | | | | | | | | Salmonella Schwarzengrund | 5 |
| | | | | | | | | | Salmonella Toulon | 16 |
| | | | | | | | | | Salmonella Typhimurium | 1 |
| | Gallus gallus (fowl) - breeding flocks for broiler production line - during rearing period - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Industry sampling - Census | herd/flock | | N_A | N_A | Not Available | 953 | 10 | Salmonella Infantis | 1 |
| | | | | | | | | | Salmonella Montevideo | 2 |
| | | | | | | | | | Salmonella Other serovars | 6 |
| | | | | | | | | | Salmonella Typhimurium | 1 |
| | Gallus gallus (fowl) - breeding flocks for egg production line - adult - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census | herd/flock | 107 | Y | N_A | Not Available | 107 | 5 | Salmonella 1,4,5,12:i:- | 1 |
| | | | | | | | | | Salmonella Mikawasima | 1 |
| | | | | | | | | | Salmonella Other serovars | 3 |
| | Gallus gallus (fowl) - breeding flocks for egg production line - during rearing period - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Industry sampling - Census | herd/flock | | N_A | N_A | Not Available | 53 | 1 | Salmonella 1,4,5,12:i:- | 1 |
| | | | | | | | | | | |
| | Gallus gallus (fowl) - breeding flocks, unspecified - adult - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Industry sampling - Census | herd/flock | | N_A | N_A | Not Available | 1624 | 70 | Salmonella 1,4,5,12:i:- | 2 |
| | | | | | | | | | Salmonella Enteritidis | 1 |
| | | | | | | | | | Salmonella Infantis | 3 |
| | | | | | | | | | Salmonella Other serovars | 47 |
| | | | | | | | | | Salmonella Toulon | 14 |
| | | | | | | | | | Salmonella Typhimurium | 2 |
| | | | | | | | | | Salmonella Virchow | 1 |
| | | | | | | | | | Salmonella 1,4,5,12:i:- | 1 |
| | | | | | | | | | Salmonella Enteritidis | 2 |
| | | | | | | | | | Salmonella Other serovars | 16 |
| | Gallus gallus (fowl) - breeding flocks, unspecified - adult - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Official sampling - Census | herd/flock | | N_A | N_A | Not Available | 1386 | 27 | Salmonella 1,4,5,12:i:- | 1 |
| | | | | | | | | | Salmonella Enteritidis | 2 |
| | | | | | | | | | Salmonella Other serovars | 16 |
| | | | | | | | | | Salmonella Schwarzengrund | 3 |
| | | | | | | | | | Salmonella Toulon | 3 |
| | | | | | | | | | Salmonella Typhimurium | 1 |
| | | | | | | | | | Salmonella Virchow | 1 |
| | | | | | | | | | Salmonella 1,4,5,12:i:- | 13 |
| | | | | | | | | | Salmonella Enteritidis | 10 |
| | | | | | | | | | Salmonella Other serovars | 1,110 |
| | Gallus gallus (fowl) - broilers - before slaughter - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Industry sampling - Census | herd/flock | | N_A | N_A | Not Available | 38312 | 1154 | Salmonella 1,4,5,12:i:- | 13 |
| | | | | | | | | | Salmonella Enteritidis | 10 |
| | | | | | | | | | Salmonella Other serovars | 1,110 |
| | | | | | | | | | Salmonella Typhimurium | 21 |
| | Gallus gallus (fowl) - broilers - before slaughter - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census | herd/flock | 38352 | Y | N_A | Not Available | 38352 | 1229 | Salmonella 1,4,5,12:i:- | 17 |
| | | | | | | | | | Salmonella Enteritidis | 11 |
| | | | | | | | | | Salmonella Infantis | 183 |
| | | | | | | | | | Salmonella Kedougou | 62 |
| | | | | | | | | | Salmonella Other serovars | 866 |
| | | | | | | | | | Salmonella Senftenberg | 106 |
| | | | | | | | | | Salmonella Typhimurium | 22 |
| | Gallus gallus (fowl) - broilers - before slaughter - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Official sampling - Census | herd/flock | | N_A | N_A | Not Available | 458 | 96 | Salmonella 1,4,5,12:i:- | 4 |
| | | | | | | | | | Salmonella Enteritidis | 1 |
| | | | | | | | | | Salmonella Other serovars | 89 |
| | | | | | | | | | Salmonella Typhimurium | 2 |
| | Gallus gallus (fowl) - laying hens - adult - Farm - Spain - animal sample - faeces - Control and eradication programmes - Industry sampling - Census | herd/flock | | N_A | N_A | Not Available | 3026 | 129 | Salmonella 1,4,5,12:i:- | 1 |
| | | | | | | | | | Salmonella Enteritidis | 12 |
| | | | | | | | | | Salmonella Other serovars | 106 |
| | Gallus gallus (fowl) - laying hens - adult - Farm - Spain - animal sample - faeces - Control and eradication programmes - Official and industry sampling - Census | herd/flock | 3140 | Y | N_A | Not Available | 3140 | 211 | Salmonella 1,4,5,12:i:- | 1 |
| | | | | | | | | | Salmonella Corvallis | 19 |
| | | | | | | | | | Salmonella Enteritidis | 35 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Number of Flocks Under Control Programme | Target Verification | Sampling Details | Method | total units tested | total units positive | Zoonoses | Units positive | |
|---|--|---------------|--|---------------------|------------------|---------------|--------------------|----------------------|------------------------------|---------------------------|----|
| | | | | | | | | | | | |
| SPAIN | Gallus gallus (fowl) - laying hens - adult - Farm - Spain - animal sample - faeces - Control and eradication programmes - Official and industry sampling - Census | herd/flock | 3140 | Y | N_A | Not Available | 3140 | 211 | Salmonella Infantis | 16 | |
| | | | | | | | | | Salmonella Kentucky | 5 | |
| | | | | | | | | | Salmonella Mikawasima | 9 | |
| | | | | | | | | | Salmonella Newport | 4 | |
| | | | | | | | | | Salmonella Ohio | 9 | |
| | | | | | | | | | Salmonella Other serovars | 86 | |
| | | | | | | | | | Salmonella Thompson | 4 | |
| | | | | | | | | | Salmonella Toulon | 8 | |
| | | | | | | | | | Salmonella Typhimurium | 15 | |
| | Gallus gallus (fowl) - laying hens - adult - Farm - Spain - animal sample - faeces - Control and eradication programmes - Official sampling - Census | herd/flock | | | N_A | N_A | Not Available | 942 | 103 | Salmonella 1,4,5,12:i:- | 1 |
| | | | | | | | | | | Salmonella Enteritidis | 26 |
| | | | | | | | | | | Salmonella Other serovars | 73 |
| | | | | | | | | | | Salmonella Typhimurium | 6 |
| | Gallus gallus (fowl) - laying hens - during rearing period - Farm - Spain - animal sample - faeces - Control and eradication programmes - Industry sampling - Census | herd/flock | | | N_A | N_A | Not Available | 1381 | 13 | Salmonella Other serovars | 12 |
| | | | | | | | | | | Salmonella Typhimurium | 1 |
| | Turkeys - breeding flocks, unspecified - adult - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Industry sampling - Census | herd/flock | | | N_A | N_A | Not Available | 89 | 4 | Salmonella Coeln | 1 |
| | | | | | | | | | | Salmonella Enteritidis | 1 |
| | | | | | | | | | | Salmonella Other serovars | 2 |
| | Turkeys - breeding flocks, unspecified - adult - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census | herd/flock | 89 | Y | N_A | N_A | Not Available | 89 | 4 | Salmonella Coeln | 1 |
| Salmonella Other serovars | | | | | | | | | | 2 | |
| Salmonella Typhimurium | | | | | | | | | | 1 | |
| Turkeys - breeding flocks, unspecified - adult - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Official sampling - Census | herd/flock | | | N_A | N_A | Not Available | 53 | 1 | Salmonella Coeln | 1 | |
| | | | | | | | | | | | |
| Turkeys - breeding flocks, unspecified - during rearing period - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Industry sampling - Census | herd/flock | | | N_A | N_A | Not Available | 57 | 2 | Salmonella spp., unspecified | 2 | |
| | | | | | | | | | | | |
| Turkeys - fattening flocks - before slaughter - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Industry sampling - Census | herd/flock | | | N_A | N_A | Not Available | 3931 | 659 | Salmonella 1,4,5,12:i:- | 14 | |
| | | | | | | | | | Salmonella Bovismorbificans | 3 | |
| | | | | | | | | | Salmonella Other serovars | 591 | |
| | | | | | | | | | Salmonella Senftenberg | 40 | |
| | | | | | | | | | Salmonella Typhimurium | 6 | |
| Turkeys - fattening flocks - before slaughter - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census | herd/flock | 3939 | Y | N_A | N_A | Not Available | 3939 | 674 | Salmonella 1,4,5,12:i:- | 15 | |
| | | | | | | | | | Salmonella Derby | 6 | |
| | | | | | | | | | Salmonella Other serovars | 614 | |
| | | | | | | | | | Salmonella Senftenberg | 41 | |
| | | | | | | | | | Salmonella Typhimurium | 7 | |
| | | | | | | | | | Salmonella Uganda | 6 | |
| Turkeys - fattening flocks - before slaughter - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Official sampling - Census | herd/flock | | | N_A | N_A | Not Available | 86 | 25 | Salmonella 1,4,5,12:i:- | 1 | |
| | | | | | | | | | Salmonella Other serovars | 23 | |
| | | | | | | | | | Salmonella Typhimurium | 1 | |

Table SALMONELLA:Salmonella in food

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|----------------------------------|--|--------------------|----------------------|------------|------------------|
| Not Available | Aioli or garlic sauce - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Aioli or garlic sauce - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 3 | 0 | Salmonella | 0 |
| | Aioli or garlic sauce - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Anise - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Bakery products - bread - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Bakery products - cakes - containing heat-treated cream - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 17 | 0 | Salmonella | 0 |
| | Bakery products - cakes - containing heat-treated cream - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 62 | 0 | Salmonella | 0 |
| | Bakery products - cakes - containing heat-treated cream - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 |
| | Bakery products - cakes - containing heat-treated cream - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Bakery products - cakes - containing heat-treated cream - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 3 | 0 | Salmonella | 0 |
| | | | | | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Bakery products - cakes - containing raw cream - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 |
| | Bakery products - cakes - containing raw cream - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579-1:2017 Salmonella | 50 | 0 | Salmonella | 0 |
| | Bakery products - cakes - containing raw cream - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 8 | 0 | Salmonella | 0 |
| | Bakery products - cakes - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 11 | 0 | Salmonella | 0 |
| | Bakery products - cakes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 12 | 0 | Salmonella | 0 |
| | Bakery products - cakes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|------------|------------------|
| Not Available | Bakery products - cakes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 16 | 0 | Salmonella | 0 |
| | Bakery products - cakes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 61 | 0 | Salmonella | 0 |
| | Bakery products - cakes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Bakery products - cakes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 4 | 0 | Salmonella | 0 |
| | Bakery products - cakes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 4 | 0 | Salmonella | 0 |
| | Bakery products - desserts - containing heat-treated cream - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 4 | 0 | Salmonella | 0 |
| | Bakery products - desserts - containing heat-treated cream - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 14 | 0 | Salmonella | 0 |
| | Bakery products - desserts - containing heat-treated cream - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Bakery products - desserts - containing raw eggs - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 80 | 0 | Salmonella | 0 |
| | Bakery products - desserts - containing raw eggs - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 135 | 0 | Salmonella | 0 |
| | Bakery products - desserts - containing raw eggs - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 8 | 0 | Salmonella | 0 |
| | Bakery products - desserts - containing raw eggs and cream - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Bakery products - desserts - containing raw eggs and cream - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Bakery products - desserts - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Bakery products - desserts - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Bakery products - desserts - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | | | | | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 6 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|------------------------------|------------------|
| Not Available | Bakery products - desserts - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | | | | | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Bakery products - pastry - biscuits - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Bakery products - pastry - biscuits - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Bakery products - pastry - biscuits - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Bakery products - pastry - biscuits - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Bakery products - pastry - choux pastry - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Bakery products - pastry - made with raw eggs - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | ISO 6579-1:2017 Salmonella | 255 | 0 | Salmonella | 0 |
| | Bakery products - pastry - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Bakery products - pastry - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Bakery products - pastry - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 60 | 0 | Salmonella | 0 |
| | Bakery products - pastry - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Bakery products - pastry - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Bakery products - pastry - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Bakery products - Processing plant - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Bay - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 40 | 4 | Salmonella spp., unspecified | 4 |
| | Berries and small fruit - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Black pepper - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 50 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|----------------------------------|--|--------------------|----------------------|------------|------------------|
| Not Available | Cereals and meals - flour/meal or finely ground powder - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Cereals and meals - flour/meal or finely ground powder - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Cheese sauce - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Cheeses made from cows' milk - curd - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Cheeses made from cows' milk - fresh - made from pasteurised milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Cheeses made from cows' milk - fresh - made from pasteurised milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 4 | 0 | Salmonella | 0 |
| | Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Cheeses made from cows' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 3 | 0 | Salmonella | 0 |
| | | | | | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Cheeses made from cows' milk - fresh - made from raw or low heat-treated milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579-1:2017 Salmonella | 40 | 0 | Salmonella | 0 |
| | Cheeses made from cows' milk - fresh - made from raw or low heat-treated milk - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Cheeses made from cows' milk - fresh - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 1 | 0 | Salmonella | 0 |
| | Cheeses made from cows' milk - fresh - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Cheeses made from cows' milk - fresh - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Cheeses made from cows' milk - fresh - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Cheeses made from cows' milk - fresh - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Cheeses made from cows' milk - hard - made from pasteurised milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|------------|------------------|
| Not Available | Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Illes Balears | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 5 | 0 | Salmonella | 0 |
| | Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Illes Balears | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Cheeses made from cows' milk - soft and semi-soft - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | Real-Time PCR (qualitative or quantitative) | 6 | 0 | Salmonella | 0 |
| | Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 5 | 0 | Salmonella | 0 |
| | Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | | | | | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | Real-Time PCR (qualitative or quantitative) | 3 | 0 | Salmonella | 0 |
| | Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 6 | 0 | Salmonella | 0 |
| | Cheeses made from cows' milk - unspecified - made from raw or low heat-treated milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Cheeses made from goats' milk - fresh - made from pasteurised milk - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 11 | 0 | Salmonella | 0 |
| | Cheeses made from goats' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 40 | 0 | Salmonella | 0 |
| | Cheeses made from goats' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | | | | | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Extremadura | ISO 6579-1:2017 Salmonella | 65 | 0 | Salmonella | 0 |
| | Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 18 | 0 | Salmonella | 0 |
| | Cheeses made from goats' milk - fresh - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|-------------------------|---|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|------------------------------|------------------|
| Not Available | Cheeses made from goats' milk - fresh - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 9 | 0 | Salmonella | 0 |
| | Cheeses made from goats' milk - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Cheeses made from goats' milk - fresh - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 2 | 0 | Salmonella | 0 |
| | Cheeses made from goats' milk - hard - made from pasteurised milk - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Cheeses made from goats' milk - hard - made from raw or low heat-treated milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| Data from Illes Balears | | | | | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 | |
| | Cheeses made from goats' milk - hard - made from raw or low heat-treated milk - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Cheeses made from goats' milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 6 | 1 | Salmonella spp., unspecified | 1 |
| | Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña ASPB | Real-Time PCR (qualitative or quantitative) | 2 | 0 | Salmonella | 0 |
| | Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 3 | 0 | Salmonella | 0 |
| | Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 1 | 0 | Salmonella | 0 |
| | Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Cheeses made from goats' milk - soft and semi-soft - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Cheeses made from goats' milk - unspecified - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Cheeses made from goats' milk - unspecified - made from raw or low heat-treated milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|-------------------------|---|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|------------|------------------|
| Not Available | Cheeses made from goats' milk - unspecified - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Cheeses made from sheep's milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Cheeses made from sheep's milk - hard - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 60 | 0 | Salmonella | 0 |
| Data from Navarra | | | | | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 | |
| | Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 100 | 0 | Salmonella | 0 |
| | Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 10 | 0 | Salmonella | 0 |
| | Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| Data from Illes Balears | | | | | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 | |
| | Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 2 | 0 | Salmonella | 0 |
| | Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Cheeses made from sheep's milk - soft and semi-soft - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Cheeses made from sheep's milk - soft and semi-soft - made from raw or low heat-treated milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| DATA FROM MADRID LAB 1 | | | | | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 | |
| | Cheeses made from sheep's milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 2 | 0 | Salmonella | 0 |
| | Cheeses made from sheep's milk - soft and semi-soft - made from raw or low heat-treated milk - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Cheeses made from sheep's milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Cheeses made from sheep's milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 1 | 0 | Salmonella | 0 |
| | Cheeses made from sheep's milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Cheeses made from sheep's milk - unspecified - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|--------------------------------|---|--------------------|---------------|--------------------|--|--|--------------------|----------------------|------------|------------------|
| Not Available | Cheeses made from sheep's milk - unspecified - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Cheeses made from sheep's milk - unspecified - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Cheeses made from sheep's milk - unspecified - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from La Rioja | PCR | 5 | 0 | Salmonella | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| Data from Comunidad Valenciana | | | | | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 | |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from raw or low heat-treated milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | ISO 6579-1:2017 Salmonella | 35 | 0 | Salmonella | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - hard - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - hard - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Illes Balears | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | Real-Time PCR (qualitative or quantitative) | 2 | 0 | Salmonella | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Cheeses, made from unspecified milk or other animal milk - hard - made from raw or low heat-treated milk - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 100 | 0 | Salmonella | 0 |
| | Cheeses, made from unspecified milk or other animal milk - hard - made from raw or low heat-treated milk - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 110 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|------------------------------|---|--------------------|----------------------|------------|------------------|
| Not Available | Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - made from pasteurised milk - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - made from raw or low heat-treated milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - made from raw or low heat-treated milk - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 30 | 0 | Salmonella | 0 |
| | Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | Real-Time PCR (qualitative or quantitative) | 5 | 0 | Salmonella | 0 |
| | Cheeses, made from unspecified milk or other animal milk - spreadable - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Cheeses, made from unspecified milk or other animal milk - unspecified - made from raw or low heat-treated milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Cilantro - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Cinnamon - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Confectionery products and pastes - chocolate-based product - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 5 | 0 | Salmonella | 0 |
| | Confectionery products and pastes - chocolate-based product - Processing plant - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Confectionery products and pastes - chocolate-based product - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 2 | 0 | Salmonella | 0 |
| | Confectionery products and pastes - hard candy - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Confectionery products and pastes - soft candy - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 4 | 0 | Salmonella | 0 |
| | Crustaceans - prawns - cooked - chilled - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 |
| | Crustaceans - prawns - cooked - chilled - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 |
| | Crustaceans - prawns - cooked - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 10 | 0 | Salmonella | 0 |
| | Crustaceans - prawns - cooked - frozen - Border Control Posts - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Crustaceans - prawns - cooked - frozen - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 12 | 0 | Salmonella | 0 |
| | Crustaceans - prawns - raw - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Crustaceans - prawns - raw - frozen - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Crustaceans - shrimps - cooked - chilled - Border Control Posts - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Crustaceans - shrimps - cooked - chilled - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 40 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|----------------------------------|--|--------------------|----------------------|------------|------------------|
| Not Available | Crustaceans - shrimps - cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Crustaceans - shrimps - cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Crustaceans - shrimps - cooked - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Crustaceans - shrimps - cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 2 | 0 | Salmonella | 0 |
| | Crustaceans - shrimps - cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 30 | 0 | Salmonella | 0 |
| | Crustaceans - shrimps - cooked - chilled - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 100 | 0 | Salmonella | 0 |
| | Crustaceans - shrimps - cooked - frozen - Border Control Posts - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Crustaceans - shrimps - cooked - frozen - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Crustaceans - shrimps - cooked - frozen - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Crustaceans - shrimps - cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Crustaceans - shrimps - raw - chilled - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 35 | 0 | Salmonella | 0 |
| | Crustaceans - shrimps - shelled, shucked and cooked - chilled - Border Control Posts - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Crustaceans - unspecified - cooked - chilled - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Crustaceans - unspecified - cooked - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579-1:2017 Salmonella | 60 | 0 | Salmonella | 0 |
| | Crustaceans - unspecified - cooked - chilled - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 |
| | Crustaceans - unspecified - cooked - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Crustaceans - unspecified - cooked - frozen - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Crustaceans - unspecified - cooked - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Crustaceans - unspecified - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Crustaceans - unspecified - shelled, shucked and cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Crustaceans - unspecified - shelled, shucked and cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Cumin seed and similar - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|------------|------------------|
| Not Available | Cured seasoned pork meat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Curry - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - butter - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - butter - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - butter - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - dairy desserts - chilled - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - dairy desserts - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - dairy desserts - chilled - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 6 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - dairy desserts - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 2 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - dairy products, not specified - made from pasteurised milk - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - dairy products, not specified - ready-to-eat - made from pasteurised milk - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 33 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - ice-cream - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | | | | | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 55 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - ice-cream - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 165 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 4 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 20 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - ice-cream - made from raw or low heat-treated milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Extremadura | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|----------------------------------|--|--------------------|----------------------|---|------------------|
| Not Available | Dairy products (excluding cheeses) - ice-cream - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - ice-cream - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 9 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - ice-cream - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 2 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - ice-cream - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - ice-cream - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | | | | | Data from Galicia | ISO 6579-1:2017 Salmonella | 40 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - ice-cream - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 17 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - ice-cream - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 95 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - milk powder and whey powder - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | | | | | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | | | | | Data from Principado de Asturias | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - milk powder and whey powder - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | | | | | Data from Illes Balears | ISO 6579-1:2017 Salmonella | 30 | 0 | Salmonella | 0 |
| | | | | | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 60 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - milk powder and whey powder - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 5 | 0 | Salmonella | 0 |
| | | | | | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 19 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - milk powder and whey powder - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 6 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - milk powder and whey powder - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - milk powder and whey powder - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 110 | 0 | Salmonella | 0 |
| | Dairy products (excluding cheeses) - milk powder and whey powder - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Egg products - frozen - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 5 | Salmonella Braenderup Salmonella Corvallis | 3 2 |
| | Egg products - liquid - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 2 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|---|--|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|------------------------------|------------------|
| Not Available | Egg products - liquid - white - pasteurised - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 45 | 0 | Salmonella | 0 |
| | Egg products - liquid - white - pasteurised - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 80 | 0 | Salmonella | 0 |
| | Egg products - liquid - white - pasteurised - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 4 | 0 | Salmonella | 0 |
| | Egg products - liquid - white - pasteurised - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from La Rioja | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Egg products - liquid - white - pasteurised - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 95 | 2 | Salmonella Infantis | 2 |
| | Egg products - liquid - white - pasteurised - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from La Rioja | PCR | 10 | 1 | Salmonella spp., unspecified | 1 |
| | Egg products - liquid - whole - pasteurised - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| Data from Comunidad Valenciana | | | | | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 | |
| Millilitre Data from Principado de Asturias | | | | | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 | |
| | Egg products - liquid - whole - pasteurised - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Egg products - liquid - whole - pasteurised - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Egg products - liquid - whole - pasteurised - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Egg products - liquid - yolk - pasteurised - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 5 | 0 | Salmonella | 0 |
| | Egg products - ready-to-eat - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Egg products - ready-to-eat - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Egg products - ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Egg products - ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Egg products - ready-to-eat - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Eggs - Packing centre - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 5 | 0 | Salmonella | 0 |
| | Eggs - raw material (liquid egg) for egg products - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Eggs - table eggs - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Eggs - table eggs - mixed whole - Packing centre - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 100 | 1 | Salmonella spp., unspecified | 1 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|----------------------------------|--|--------------------|----------------------|---|------------------|
| Not Available | Eggs - table eggs - mixed whole - Packing centre - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 357 | 1 | Salmonella Infantis | 1 |
| | Eggs - table eggs - mixed whole - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Eggs - table eggs - mixed whole - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 7 | 1 | Salmonella spp., unspecified | 1 |
| | Eggs - table eggs - Packing centre - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 25 | 0 | Salmonella | 0 |
| | Eggs - table eggs - Packing centre - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 |
| | Eggs - table eggs - Packing centre - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 6 | 0 | Salmonella | 0 |
| | Eggs - table eggs - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 3 | 0 | Salmonella | 0 |
| | Eggs - table eggs - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Eggs - table eggs - shell - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Eggs - table eggs - shell - Packing centre - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 355 | 19 | Salmonella Colorado | 1 |
| | | | | | | | | | Salmonella Enteritidis | 5 |
| | | | | | | | | | Salmonella Escanaba | 2 |
| | | | | | | | | | Salmonella Infantis | 10 |
| | | | | | | | | | Salmonella Ohio | 1 |
| | Eggs - table eggs - shell - Packing centre - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Eggs - table eggs - shell - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB VISAVET | ISO 6579-1:2017 Salmonella | 400 | 6 | Salmonella Choleraesuis var. Kunzendorf | 1 |
| | | | | | | | | | Salmonella Djugu | 1 |
| | | | | | | | | | Salmonella Enteritidis | 2 |
| | | | | | | | | | Salmonella Infantis | 2 |
| | Eggs - table eggs - whole - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Eggs - table eggs - whole - Packing centre - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579:2002 Salmonella | 20 | 0 | Salmonella | 0 |
| | Eggs - table eggs - whole - Packing centre - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Eggs - table eggs - whole - Packing centre - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 31 | 0 | Salmonella | 0 |
| | Eggs - table eggs - whole - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 2 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|------------------------------|--|--------------------|----------------------|------------------------------|------------------|
| Not Available | Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - raw - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Fish - gravad /slightly salted - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 14 | 0 | Salmonella | 0 |
| | Fish - gravad /slightly salted - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | Real-Time PCR (qualitative or quantitative) | 20 | 0 | Salmonella | 0 |
| | Fish - gravad /slightly salted - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | Real-Time PCR (qualitative or quantitative) | 5 | 0 | Salmonella | 0 |
| | Fish - marinated - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Fish - marinated - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Fish - raw - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 11 | 1 | Salmonella spp., unspecified | 1 |
| | Fish - raw - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 3 | 0 | Salmonella | 0 |
| | Fish - raw - chilled - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Fish - raw - frozen - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Fish - raw - Hatchery - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Fish - smoked - cold-smoked - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Fish - smoked - hot-smoked - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Fish - smoked - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 7 | 0 | Salmonella | 0 |
| | Fish - smoked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 5 | 0 | Salmonella | 0 |
| | Fish - smoked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Fish - smoked - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 4 | 0 | Salmonella | 0 |
| | Fish - smoked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | Real-Time PCR (qualitative or quantitative) | 20 | 0 | Salmonella | 0 |
| | Fish - smoked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 4 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|----------------------------------|--|--------------------|----------------------|------------------------|------------------|
| Not Available | Fish - smoked - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | Real-Time PCR (qualitative or quantitative) | 5 | 0 | Salmonella | 0 |
| | Fish - smoked - Wholesale - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Fishery products, unspecified - cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 5 | 0 | Salmonella | 0 |
| | | | | | Data from Cataluña_ASPB | Real-Time PCR (qualitative or quantitative) | 19 | 0 | Salmonella | 0 |
| | Fishery products, unspecified - cooked - chilled - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | Real-Time PCR (qualitative or quantitative) | 5 | 0 | Salmonella | 0 |
| | Fishery products, unspecified - cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Fishery products, unspecified - raw - frozen - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 1 | 1 | Salmonella Enteritidis | 1 |
| | Fishery products, unspecified - ready-to-eat - frozen - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Fishery products, unspecified - ready-to-eat - frozen - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | Real-Time PCR (qualitative or quantitative) | 1 | 0 | Salmonella | 0 |
| | Fishery products, unspecified - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Fishery products, unspecified - ready-to-eat - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Fishery products, unspecified - smoked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 10 | 0 | Salmonella | 0 |
| | Fishery products, unspecified - smoked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579:2002 Salmonella | 10 | 0 | Salmonella | 0 |
| | Follow-on formulae - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | ISO 6579-1:2017 Salmonella | 12 | 0 | Salmonella | 0 |
| | Follow-on formulae - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Food supplements and similar preparations - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Food supplements and similar preparations - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Foodstuffs intended for special nutritional uses - dried dietary foods for special medical purposes intended for infants below 6 months - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579-1:2017 Salmonella | 90 | 0 | Salmonella | 0 |
| | Foodstuffs intended for special nutritional uses - dried dietary foods for special medical purposes intended for infants below 6 months - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 16 | 0 | Salmonella | 0 |
| | Foodstuffs intended for special nutritional uses - dried dietary foods for special medical purposes intended for infants below 6 months - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Foodstuffs intended for special nutritional uses - dried dietary foods for special medical purposes intended for infants below 6 months - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Foodstuffs intended for special nutritional uses - dried dietary foods for special medical purposes intended for infants below 6 months - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|------------|------------------|
| Not Available | Foodstuffs intended for special nutritional uses - other food for infants and children - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from La Rioja | PCR | 10 | 0 | Salmonella | 0 |
| | Foodstuffs intended for special nutritional uses - other food for infants and children - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 6 | 0 | Salmonella | 0 |
| | Foodstuffs intended for special nutritional uses - processed cereal-based food for infants and young children - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | | | | | Data from Cataluña | ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Foodstuffs intended for special nutritional uses - processed cereal-based food for infants and young children - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from La Rioja | PCR | 5 | 0 | Salmonella | 0 |
| | Fruits - pre-cut - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Fruits - pre-cut - ready-to-eat - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Extremadura | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | | | | | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Fruits - pre-cut - ready-to-eat - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 |
| | Fruits - pre-cut - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Fruits - pre-cut - ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Fruits - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | | | | | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | | | | | Data from Extremadura | ISO 6579-1:2017 Salmonella | 45 | 0 | Salmonella | 0 |
| | | | | | Data from Illes Balears | ISO 6579-1:2017 Salmonella | 30 | 0 | Salmonella | 0 |
| | | | | | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 180 | 0 | Salmonella | 0 |
| | Fruits - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 16 | 0 | Salmonella | 0 |
| | Fruits - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Fruits - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 8 | 0 | Salmonella | 0 |
| | | | | | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Fruits - pre-cut - ready-to-eat - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Fruits - pre-cut - ready-to-eat - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 4 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|----------------------------------|--|--------------------|----------------------|------------------------------|------------------|
| Not Available | Fruits - products - fruit purée - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Fruits - products - fruit purée - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 7 | 0 | Salmonella | 0 |
| | Fruits - products - fruit purée - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 2 | 0 | Salmonella | 0 |
| | Fruits - products - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 35 | 0 | Salmonella | 0 |
| | Fruits - whole - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 3 | 0 | Salmonella | 0 |
| | Fruits and vegetables - pre-cut - ready-to-eat - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 15 | 0 | Salmonella | 0 |
| | Fruits and vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | ISO 6579-1:2017 Salmonella | 50 | 0 | Salmonella | 0 |
| | Fruits and vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 14 | 0 | Salmonella | 0 |
| | Fruits and vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data From Madrid | Immunofluorescence method | 9 | 0 | Salmonella | 0 |
| | Fruits and vegetables - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Ginger - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Herbs, vegetables and oil sauces - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Herbs, vegetables and oil sauces - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 1 | Salmonella spp., unspecified | 1 |
| | Herbs, vegetables and oil sauces - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Infant formula - dried - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 30 | 0 | Salmonella | 0 |
| | | | | | Data from Principado de Asturias | ISO 6579-1:2017 Salmonella | 60 | 0 | Salmonella | 0 |
| | Infant formula - dried - intended for infants below 6 months - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 30 | 0 | Salmonella | 0 |
| | Infant formula - dried - intended for infants below 6 months - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Infant formula - dried - intended for infants below 6 months - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Extremadura | ISO 6579-1:2017 Salmonella | 30 | 0 | Salmonella | 0 |
| | Infant formula - dried - intended for infants below 6 months - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|--|---|--------------------|---------------|----------------------------------|---|--|--------------------|----------------------|------------|------------------|
| Not Available | Infant formula - dried - intended for infants below 6 months - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 6 | 0 | Salmonella | 0 |
| | | | | | Data from Cataluña | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | | | | | Data from Galicia | ISO 6579-1:2017 Salmonella | 8 | 0 | Salmonella | 0 |
| | | | | | Data from Illes Balears | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Infant formula - dried - intended for infants below 6 months - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 36 | 0 | Salmonella | 0 |
| | Infant formula - dried - intended for infants below 6 months - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Infant formula - dried - intended for infants below 6 months - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 180 | 0 | Salmonella | 0 |
| | Infant formula - dried - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 30 | 0 | Salmonella | 0 |
| | Infant formula - dried - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 18 | 0 | Salmonella | 0 |
| | Infant formula - dried - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 8 | 0 | Salmonella | 0 |
| | | | | | Data from Cataluña | ISO 6579-1:2017 Salmonella | 74 | 0 | Salmonella | 0 |
| | | | | | Data from Cataluña ASPB | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | | | | | Data from Illes Balears | ISO 6579-1:2017 Salmonella | 40 | 0 | Salmonella | 0 |
| | Infant formula - dried - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Infant formula - dried - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 120 | 0 | Salmonella | 0 |
| | Infant formula - liquid - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 6 | 0 | Salmonella | 0 |
| | Infant formula - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 4 | 0 | Salmonella | 0 |
| | Jelly palm - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Jelly palm - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Juice - fruit juice - pasteurised - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| Juice - fruit juice - pasteurised - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data From Madrid | ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 | |
| Juice - fruit juice - unpasteurised - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from La Rioja | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 | |
| | | | | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 | |
| Juice - fruit juice - unpasteurised - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 | |
| Juice - fruit juice - unpasteurised - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 | |
| Juice - fruit juice - unpasteurised - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Extremadura | ISO 6579-1:2017 Salmonella | 40 | 0 | Salmonella | 0 | |
| | | | | Data from Illes Balears | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 | |
| | | | | Data from Principado de Asturias | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive | |
|--|---|--------------------|---------------|----------------------------------|--|--|----------------------------|----------------------|------------|------------------|---|
| Not Available | Juice - fruit juice - unpasteurised - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from Cantabria | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 | |
| | | | | | Data From Madrid | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 | |
| | | | | | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 95 | 0 | Salmonella | 0 | |
| | Juice - fruit juice - unpasteurised - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 16 | 0 | Salmonella | 0 | |
| | Juice - fruit juice - unpasteurised - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 7 | 0 | Salmonella | 0 | |
| | Juice - fruit juice - unpasteurised - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from La Rioja | PCR | 5 | 0 | Salmonella | 0 | |
| | Juice - fruit juice - unpasteurised - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 | |
| | Juice - fruit juice - unpasteurised - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 | |
| | Juice - mixed juice - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 | |
| | Juice - mixed juice - unpasteurised - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Illes Balears | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 | |
| | | | | | Millilitre | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Juice - vegetable juice - pasteurised - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data From Madrid | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 | |
| | Juice - vegetable juice - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 3 | 0 | Salmonella | 0 | |
| | Juice - vegetable juice - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 10 | 0 | Salmonella | 0 | |
| | Juice - vegetable juice - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from Cataluña | ISO 6579-1:2017 Salmonella | 12 | 0 | Salmonella | 0 | |
| | Juice - vegetable juice - unpasteurised - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 158 | 0 | Salmonella | 0 | |
| | Juice - vegetable juice - unpasteurised - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 11 | 0 | Salmonella | 0 | |
| | Juice - vegetable juice - unpasteurised - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 | |
| | Lettuce - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 | |
| | Lettuce - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 | |
| Live bivalve molluscs - mussels - depurated - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 | | |
| Live bivalve molluscs - mussels - depurated - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 30 | 0 | Salmonella | 0 | | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|----------------------------------|--|--------------------|----------------------|------------------------|------------------|
| Not Available | Live bivalve molluscs - mussels - depurated - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 2 | 0 | Salmonella | 0 |
| | Live bivalve molluscs - mussels - depurated - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Live bivalve molluscs - mussels - depurated - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 140 | 0 | Salmonella | 0 |
| | Live bivalve molluscs - mussels - depurated - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | ISO 6579-1:2017 Salmonella | 410 | 3 | Salmonella Typhimurium | 3 |
| | Live bivalve molluscs - mussels - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 1 | 0 | Salmonella | 0 |
| | Live bivalve molluscs - mussels - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 50 | 0 | Salmonella | 0 |
| | Live bivalve molluscs - mussels - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 45 | 0 | Salmonella | 0 |
| | Live bivalve molluscs - mussels - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 3 | 0 | Salmonella | 0 |
| | Live bivalve molluscs - mussels - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 13 | 0 | Salmonella | 0 |
| | Live bivalve molluscs - mussels - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data From Madrid | ISO 6579-1:2017 Salmonella | 55 | 0 | Salmonella | 0 |
| | Live bivalve molluscs - mussels - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | Real-Time PCR (qualitative or quantitative) | 20 | 0 | Salmonella | 0 |
| | Live bivalve molluscs - mussels - Wholesale - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Live bivalve molluscs - oysters - depurated - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Live bivalve molluscs - oysters - depurated - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Live bivalve molluscs - oysters - depurated - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | Real-Time PCR (qualitative or quantitative) | 20 | 0 | Salmonella | 0 |
| | Live bivalve molluscs - unspecified - depurated - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | ISO 6579-1:2017 Salmonella | 40 | 0 | Salmonella | 0 |
| | Live bivalve molluscs - unspecified - depurated - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 30 | 0 | Salmonella | 0 |
| | Live bivalve molluscs - unspecified - depurated - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 1 | 0 | Salmonella | 0 |
| | Live bivalve molluscs - unspecified - depurated - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 3 | 0 | Salmonella | 0 |
| | Live bivalve molluscs - unspecified - depurated - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 18 | 0 | Salmonella | 0 |
| | Live bivalve molluscs - unspecified - depurated - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Live bivalve molluscs - unspecified - depurated - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 3 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|------------------------------------|------------------|
| Not Available | Live bivalve molluscs - unspecified - depurated - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Live bivalve molluscs - unspecified - depurated - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | Real-Time PCR (qualitative or quantitative) | 40 | 0 | Salmonella | 0 |
| | Live bivalve molluscs - unspecified - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 45 | 0 | Salmonella | 0 |
| | Live bivalve molluscs - unspecified - Packing centre - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 9 | 0 | Salmonella | 0 |
| | Live bivalve molluscs - unspecified - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 165 | 2 | Salmonella spp., unspecified | 2 |
| | Live bivalve molluscs - unspecified - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 4 | 0 | Salmonella | 0 |
| | Live bivalve molluscs - unspecified - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data From Madrid | ISO 6579-1:2017 Salmonella | 70 | 0 | Salmonella | 0 |
| | Live echinoderms, tunicates and gastropods - Packing centre - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Live echinoderms, tunicates and gastropods - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Live echinoderms, tunicates and gastropods - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 2 | 0 | Salmonella | 0 |
| | Live echinoderms, tunicates and gastropods - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Live echinoderms, tunicates and gastropods - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | Real-Time PCR (qualitative or quantitative) | 20 | 0 | Salmonella | 0 |
| | Mayonnaise sauce - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat from bovine animals - carcass - chilled - Slaughterhouse - Not Available - food sample - carcass swabs - Surveillance - Official sampling - Objective sampling | single (food/feed) | 400 | Square centimetre | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 63 | 0 | Salmonella | 0 |
| | Meat from bovine animals - carcass - Slaughterhouse - Not Available - food sample - carcass swabs - Surveillance - based on Regulation 2073 - Industry sampling - Objective sampling | single (food/feed) | 400 | Square centimetre | Data from Aragon | ISO 6579-1:2017 Salmonella | 350 | 9 | Salmonella spp., unspecified | 9 |
| | Meat from bovine animals - carcass - Slaughterhouse - Not Available - food sample - carcass swabs - Surveillance - based on Regulation 2073 - Industry sampling - Objective sampling | single (food/feed) | 400 | Square centimetre | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 400 | 2 | Salmonella spp., unspecified | 2 |
| | Meat from bovine animals - carcass - Slaughterhouse - Not Available - food sample - carcass swabs - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 400 | Square centimetre | Data from Aragon | ISO 6579-1:2017 Salmonella | 200 | 3 | Salmonella Derby | 1 |
| | | | | | | | | | Salmonella Havana | 1 |
| | | | | | | | | | Salmonella Typhimurium, monophasic | 1 |
| | | | | | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 150 | 5 | Salmonella Altona | 2 |
| | | | | | | | | | Salmonella Mikawasima | 1 |
| | | | | | | | | | Salmonella Montevideo | 2 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|--|--|--------------------|----------------------|------------------------------|------------------|
| Not Available | Meat from bovine animals - carcass - Slaughterhouse - Not Available - food sample - carcass swabs - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 400 | Square centimetre | Data from Extremadura | ISO 6579-1:2017 Salmonella | 50 | 0 | Salmonella | 0 |
| | | | | | Data from Principado de Asturias | ISO 6579-1:2017 Salmonella | 200 | 1 | Salmonella Enteritidis | 1 |
| | Meat from bovine animals - carcass - Slaughterhouse - Not Available - food sample - carcass swabs - Surveillance - Industry sampling - Objective sampling | single (food/feed) | 400 | Square centimetre | DATA FROM MADRID | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 640 | 0 | Salmonella | 0 |
| | Meat from bovine animals - carcass - Slaughterhouse - Not Available - food sample - carcass swabs - Surveillance - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 400 | Square centimetre | Data from Cantabria | ISO 6579-1:2017 Salmonella | 95 | 0 | Salmonella | 0 |
| | Meat from bovine animals - carcass - Slaughterhouse - Spain - food sample - carcass swabs - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 400 | Square centimetre | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 150 | 4 | Salmonella spp., unspecified | 4 |
| | Meat from bovine animals - carcass - Slaughterhouse - Spain - food sample - carcass swabs - Surveillance - Official sampling - Objective sampling | single (food/feed) | 400 | Square centimetre | Data from Murcia | ISO 6579-1:2017 Salmonella | 10 | 2 | Salmonella spp., unspecified | 2 |
| | Meat from bovine animals - fresh - chilled - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat from bovine animals - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 2 | 0 | Salmonella | 0 |
| | Meat from bovine animals - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB VISAVET | ISO 6579-1:2017 Salmonella | 90 | 1 | Salmonella Typhimurium | 1 |
| | Meat from bovine animals - fresh - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data From Madrid | Immunofluorescence method | 3 | 0 | Salmonella | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 20 | 0 | Salmonella | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 3 | 0 | Salmonella | 0 |
| Gram | | | | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 3 | 0 | Salmonella | 0 | |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 25 | 6 | Salmonella Muenster | 6 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 3 | 0 | Salmonella | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 2 | 0 | Salmonella | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| Gram | | | | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 3 | 0 | Salmonella | 0 | |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from La Rioja | PCR | 5 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|------------------------------|--|--------------------|----------------------|------------------------------|------------------|
| Not Available | Meat from bovine animals - meat preparation - intended to be eaten cooked - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 45 | 4 | Salmonella spp., unspecified | 4 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 2 | 0 | Salmonella | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 4 | 0 | Salmonella | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 110 | 2 | Salmonella spp., unspecified | 2 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten raw - chilled - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten raw - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | ISO 6579-1:2017 Salmonella | 50 | 0 | Salmonella | 0 |
| | | | | | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 60 | 0 | Salmonella | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten raw - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from La Rioja | PCR | 15 | 0 | Salmonella | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten raw - chilled - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten raw - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 35 | 0 | Salmonella | 0 |
| | | | | | Data from Extremadura | ISO 6579-1:2017 Salmonella | 70 | 0 | Salmonella | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten raw - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 20 | 0 | Salmonella | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten raw - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat from bovine animals - meat products - cooked, ready-to-eat - Border Control Posts - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from bovine animals - meat products - cooked, ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 4 | 0 | Salmonella | 0 |
| | Meat from bovine animals - meat products - raw and intended to be eaten raw - chilled - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Illes Balears | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from bovine animals - meat products - raw and intended to be eaten raw - chilled - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Illes Balears | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from bovine animals - meat products - raw and intended to be eaten raw - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 |
| | Meat from bovine animals - meat products - ready-to-eat - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|----------------------------------|--|--------------------|----------------------|------------|------------------|
| Not Available | Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 10 | 0 | Salmonella | 0 |
| | Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data From Madrid | ISO 6579-1:2017 Salmonella | 50 | 0 | Salmonella | 0 |
| | Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data From Madrid | Immunofluorescence method | 8 | 0 | Salmonella | 0 |
| | Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data From Madrid | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Meat from bovine animals - minced meat - intended to be eaten cooked - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | | | | | Data from Principado de Asturias | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from bovine animals - minced meat - intended to be eaten cooked - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Meat from bovine animals - minced meat - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Principado de Asturias | ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 |
| | Meat from bovine animals - minced meat - intended to be eaten cooked - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Meat from bovine animals - minced meat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 12 | 0 | Salmonella | 0 |
| | Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 4 | 0 | Salmonella | 0 |
| | Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 5 | 0 | Salmonella | 0 |
| | Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 2 | 0 | Salmonella | 0 |
| | Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 13 | 0 | Salmonella | 0 |
| | Meat from bovine animals and pig - meat preparation - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat from bovine animals and pig - meat products - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | |
|---|---|--------------------|---------------|------------------------------|--------------------------------|--|--------------------|------------------------------|------------------------------|-----|
| | | | | | | | | | N units positive | |
| Not Available | Meat from bovine animals and pig - minced meat - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data From Madrid | Immunofluorescence method | 2 | 0 | Salmonella | 0 |
| | Meat from bovine animals and pig - minced meat - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat from bovine animals and pig - minced meat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - carcass - chilled - Slaughterhouse - Not Available - food sample - carcass swabs - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from La Rioja | ISO 6579-1:2017 Salmonella | 60 | 14 | Salmonella spp., unspecified | 14 |
| | Meat from broilers (Gallus gallus) - carcass - chilled - Slaughterhouse - Not Available - food sample - neck skin - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 50 | 0 | Salmonella | 0 |
| | | | | | Data from Extremadura | ISO 6579-1:2017 Salmonella | 100 | 1 | Salmonella spp., unspecified | 1 |
| | Meat from broilers (Gallus gallus) - carcass - chilled - Slaughterhouse - Not Available - food sample - neck skin - Surveillance - Industry sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 725 | 11 | Salmonella spp., unspecified | 11 |
| | | | | | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 60 | 25 | Salmonella Bovismorbificans | 19 |
| | | | | | | | | | Salmonella Infantis | 2 |
| | | | | | | | | | Salmonella Virchow | 4 |
| | Meat from broilers (Gallus gallus) - carcass - chilled - Slaughterhouse - Not Available - food sample - neck skin - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 75 | 5 | Salmonella Infantis | 5 |
| | Meat from broilers (Gallus gallus) - carcass - chilled - Slaughterhouse - Not Available - food sample - neck skin - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 105 | 1 | Salmonella spp., unspecified | 1 |
| | Meat from broilers (Gallus gallus) - carcass - chilled - Slaughterhouse - Spain - food sample - neck skin - Surveillance - based on Regulation 2073 - Industry sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1900 | 140 | Salmonella spp., unspecified | 140 |
| | Meat from broilers (Gallus gallus) - carcass - chilled - Slaughterhouse - Spain - food sample - neck skin - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 400 | 21 | Salmonella spp., unspecified | 21 |
| | | | | | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 250 | 37 | Salmonella Brazzaville | 1 |
| | | | | | | | | | Salmonella Corvallis | 3 |
| | | | | | | | | | Salmonella Enteritidis | 5 |
| | | | | | | | | | Salmonella Havana | 1 |
| | | | | | | | | | Salmonella Infantis | 16 |
| | | | | | | | | | Salmonella Senftenberg | 2 |
| | | | | | | | | Salmonella spp., unspecified | 8 | |
| | | | | | | | | Salmonella Virchow | 1 | |
| | | | | | | | | | | |
| Meat from broilers (Gallus gallus) - fresh - chilled - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 | |
| Meat from broilers (Gallus gallus) - fresh - chilled - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 75 | 1 | Salmonella IIIb | 1 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|------------------------------------|------------------|
| Not Available | Meat from broilers (Gallus gallus) - fresh - chilled - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 30 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - fresh - chilled - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 15 | 4 | Salmonella spp., unspecified | 4 |
| | Meat from broilers (Gallus gallus) - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 50 | 10 | Salmonella Infantis | 6 |
| | | | | | | | | | Salmonella Typhimurium, monophasic | 4 |
| | Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 8 | 1 | Salmonella spp., unspecified | 1 |
| | Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | | | | | Data from Cataluña | ISO 6579-1:2017 Salmonella | 6 | 2 | Salmonella Infantis | 2 |
| | Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | | | | | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 15 | 2 | Salmonella Enteritidis 9 | 2 |
| | Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 125 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - fresh - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | ISO 6579-1:2017 Salmonella | 10 | 1 | Salmonella spp., unspecified | 1 |
| | Meat from broilers (Gallus gallus) - fresh - frozen - Border Control Posts - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 1030 | 124 | Salmonella spp., unspecified | 124 |
| | Meat from broilers (Gallus gallus) - fresh - frozen - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - fresh - frozen - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 20 | 8 | Salmonella Infantis | 8 |
| | Meat from broilers (Gallus gallus) - fresh - skinned - frozen - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 10 | 4 | Salmonella Infantis | 4 |
| | Meat from broilers (Gallus gallus) - fresh - skinned - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 73 | 1 | Salmonella Mbandaka | 1 |
| | Meat from broilers (Gallus gallus) - fresh - skinned - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB VISAVET | ISO 6579-1:2017 Salmonella | 45 | 1 | Salmonella Enteritidis | 1 |
| | Meat from broilers (Gallus gallus) - fresh - skinned - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | | | | | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 20 | 6 | Salmonella Mbandaka | 6 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|--------------------------------|--|--------------------|---------------|--------------------|--|--|--------------------|----------------------|------------------------------|------------------|
| Not Available | Meat from broilers (Gallus gallus) - fresh - with skin - chilled - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 2 | Salmonella Enteritidis 9 | 2 |
| | Meat from broilers (Gallus gallus) - fresh - with skin - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 55 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - fresh - with skin - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Illes Balears | ISO 6579-1:2017 Salmonella | 30 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - fresh - with skin - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| Data from Illes Balears | | | | | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 | |
| DATA FROM MADRID LAB VISAVET | | | | | ISO 6579-1:2017 Salmonella | 45 | 1 | Salmonella Newport | 1 | |
| | Meat from broilers (Gallus gallus) - fresh - with skin - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 10 | 1 | Salmonella Infantis | 1 |
| | Meat from broilers (Gallus gallus) - fresh - with skin - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579-1:2017 Salmonella | 50 | 3 | Salmonella Virchow | 3 |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| Data from La Rioja | | | | | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 | |
| DATA FROM MADRID LAB 1 | | | | | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 | |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 40 | 3 | Salmonella spp., unspecified | 3 |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 125 | 15 | Salmonella Infantis | 15 |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| Data from Galicia | | | | | ISO 6579-1:2017 Salmonella | 50 | 0 | Salmonella | 0 | |
| Data from Illes Balears | | | | | ISO 6579-1:2017 Salmonella | 30 | 0 | Salmonella | 0 | |
| DATA FROM MADRID LAB 1 | | | | | ISO 6579-1:2017 Salmonella | 70 | 1 | Salmonella Infantis | 1 | |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 8 | 1 | Salmonella spp., unspecified | 1 |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 3 | 0 | Salmonella | 0 |
| Data from Comunidad Valenciana | | | | | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 60 | 2 | Salmonella Infantis | 2 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|-----------------------|---|--------------------|---------------|--------------------|--------------------------------|--|--------------------|------------------------------|------------------------|------------------|
| Not Available | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from La Rioja | PCR | 5 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 50 | 0 | Salmonella | 0 |
| Data from Extremadura | | | | | ISO 6579-1:2017 Salmonella | 15 | 5 | Salmonella spp., unspecified | 5 | |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - frozen - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 5 | 2 | Salmonella Virchow | 2 |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - frozen - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 25 | 1 | Salmonella Infantis | 1 |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 14 | 2 | Salmonella Infantis | 2 |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 10 | 5 | Salmonella Infantis | 5 |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 55 | 0 | Salmonella | 0 |
| Data from Extremadura | | | | | ISO 6579-1:2017 Salmonella | 95 | 2 | Salmonella spp., unspecified | 2 | |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 18 | 4 | Salmonella Infantis | 4 |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 3 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - meat products - cooked, ready-to-eat - chilled - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - meat products - cooked, ready-to-eat - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - meat products - non-ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 55 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - meat products - non-ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 25 | 1 | Salmonella Enteritidis | 1 |
| | Meat from broilers (Gallus gallus) - meat products - raw and intended to be eaten raw - frozen - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|----------------------------------|--|--------------------|----------------------|------------------------------|------------------|
| Not Available | Meat from broilers (Gallus gallus) - meat products - raw and intended to be eaten raw - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - meat products - raw but intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Illes Balears | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | | | | | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 10 | 5 | Salmonella Infantis | 1 |
| | | | | | | | | | Salmonella Virchow | 4 |
| | Meat from broilers (Gallus gallus) - meat products - raw but intended to be eaten cooked - frozen - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 70 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - meat products - raw but intended to be eaten cooked - frozen - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - meat products - raw but intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - mechanically separated meat (MSM) - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - mechanically separated meat (MSM) - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - mechanically separated meat (MSM) - hard-type - frozen - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - mechanically separated meat (MSM) - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 10 | 5 | Salmonella Infantis | 5 |
| | Meat from broilers (Gallus gallus) - mechanically separated meat (MSM) - soft-type - frozen - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Galicia | ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - minced meat - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 35 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 55 | 5 | Salmonella Infantis | 5 |
| | Meat from broilers (Gallus gallus) - minced meat - intended to be eaten cooked - chilled - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - minced meat - intended to be eaten cooked - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | | | | | Data from Extremadura | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - minced meat - intended to be eaten cooked - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - minced meat - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | | | | | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | | | | | Data from Extremadura | ISO 6579-1:2017 Salmonella | 35 | 1 | Salmonella spp., unspecified | 1 |
| | | | | | Data from Principado de Asturias | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - minced meat - intended to be eaten cooked - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Meat from broilers (Gallus gallus) - offal - gizzard - frozen - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 10 | 10 | Salmonella spp., unspecified | 10 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|------------------------------|------------------|
| Not Available | Meat from broilers (Gallus gallus) - offal - liver - frozen - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 5 | 3 | Salmonella spp., unspecified | 3 |
| | Meat from deer (venison) - meat products - fresh raw sausages - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from deer (venison) - meat products - raw and intended to be eaten raw - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from deer (venison) - meat products - ready-to-eat - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from duck - meat preparation - intended to be eaten raw - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat from duck - meat products - cooked, ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat from goat - carcass - chilled - Slaughterhouse - Not Available - food sample - carcass swabs - Surveillance - Official sampling - Objective sampling | single (food/feed) | 400 | Square centimetre | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Meat from goat - carcass - Slaughterhouse - Spain - food sample - carcass swabs - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 400 | Square centimetre | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 100 | 0 | Salmonella | 0 |
| | Meat from goat - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Meat from goat - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Meat from horse - carcass - Slaughterhouse - Not Available - food sample - carcass swabs - Surveillance - based on Regulation 2073 - Industry sampling - Objective sampling | single (food/feed) | 400 | Square centimetre | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 50 | 1 | Salmonella spp., unspecified | 1 |
| | Meat from horse - carcass - Slaughterhouse - Not Available - food sample - carcass swabs - Surveillance - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 400 | Square centimetre | Data from Cantabria | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Meat from horse - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 9 | 0 | Salmonella | 0 |
| | Meat from horse - meat preparation - intended to be eaten cooked - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 5 | 0 | Salmonella | 0 |
| | Meat from other animal species or not specified - meat preparation - intended to be eaten cooked - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from other animal species or not specified - minced meat - intended to be eaten cooked - chilled - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from other animal species or not specified - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat from other animal species or not specified - minced meat - intended to be eaten cooked - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Meat from other animal species or not specified - minced meat - intended to be eaten cooked - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from pig - carcass - chilled - Slaughterhouse - Not Available - food sample - carcass swabs - Surveillance - Official sampling - Objective sampling | single (food/feed) | 400 | Square centimetre | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 92 | 1 | Salmonella spp., unspecified | 1 |
| | Meat from pig - carcass - Slaughterhouse - Not Available - food sample - carcass swabs - Surveillance - based on Regulation 2073 - Industry sampling - Objective sampling | single (food/feed) | 400 | Square centimetre | Data from Aragon | ISO 6579-1:2017 Salmonella | 2300 | 84 | Salmonella spp., unspecified | 84 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|----------------------------------|--|--------------------|----------------------|------------------------------------|------------------|
| Not Available | Meat from pig - carcase - Slaughterhouse - Not Available - food sample - carcase swabs - Surveillance - based on Regulation 2073 - Industry sampling - Objective sampling | single (food/feed) | 400 | Square centimetre | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1050 | 44 | Salmonella spp., unspecified | 44 |
| | Meat from pig - carcase - Slaughterhouse - Not Available - food sample - carcase swabs - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 400 | Square centimetre | Data from Aragon | ISO 6579-1:2017 Salmonella | 600 | 73 | Salmonella Brandenburg | 7 |
| | | | | | | | | | Salmonella Choleraesuis | 3 |
| | | | | | | | | | Salmonella Derby | 13 |
| | | | | | | | | | Salmonella Enteritidis | 1 |
| | | | | | | | | | Salmonella Goettingen | 1 |
| | | | | | | | | | Salmonella Rissen | 4 |
| | | | | | | | | | Salmonella spp., unspecified | 8 |
| | | | | | | | | | Salmonella Typhimurium | 1 |
| | | | | | | | | | Salmonella Typhimurium, monophasic | 33 |
| | | | | | | | | | Salmonella Wien | 2 |
| | | | | | Data from Extremadura | ISO 6579-1:2017 Salmonella | 100 | 0 | Salmonella | 0 |
| | | | | | Data from Principado de Asturias | ISO 6579-1:2017 Salmonella | 50 | 2 | Salmonella Typhimurium | 2 |
| | Meat from pig - carcase - Slaughterhouse - Not Available - food sample - carcase swabs - Surveillance - Industry sampling - Objective sampling | single (food/feed) | 400 | Square centimetre | DATA FROM MADRID | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 135 | 0 | Salmonella | 0 |
| | Meat from pig - carcase - Slaughterhouse - Not Available - food sample - carcase swabs - Surveillance - Official sampling - Objective sampling | single (food/feed) | 400 | Square centimetre | Data from Cataluña | ISO 6579-1:2017 Salmonella | 15 | 7 | Salmonella Assinie | 1 |
| | | | | | | | | | Salmonella Rissen | 1 |
| | | | | | | | | | Salmonella Typhimurium | 5 |
| | | | | | Data from La Rioja | ISO 6579-1:2017 Salmonella | 30 | 2 | Salmonella spp., unspecified | 2 |
| | | | | | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 30 | 0 | Salmonella | 0 |
| | Meat from pig - carcase - Slaughterhouse - Spain - food sample - carcase swabs - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 400 | Square centimetre | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 150 | 7 | Salmonella spp., unspecified | 7 |
| | | | | | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 300 | 45 | Salmonella 4,12:-: | 2 |
| | | | | | | | | | Salmonella Brandenburg | 1 |
| | | | | | | | | | Salmonella Cerro | 2 |
| | | | | | | | | | Salmonella Derby | 8 |
| | | | | | | | | | Salmonella Give | 1 |
| | | | | | | | | | Salmonella Infantis | 1 |
| | | | | | | | | | Salmonella Kapemba | 1 |
| | | | | | | | | | Salmonella Mbandaka | 1 |
| | | | | | | | | | Salmonella Reading | 3 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|---|---|--------------------|---------------|------------------------------|--|--|--------------------|----------------------|--|------------------|
| Not Available | Meat from pig - carcass - Slaughterhouse - Spain - food sample - carcass swabs - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 400 | Square centimetre | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 300 | 45 | Salmonella Rissen | 2 |
| | | | | | | | | | Salmonella spp., unspecified | 2 |
| | | | | | | | | | Salmonella Typhimurium | 6 |
| | | | | | | | | | Salmonella Typhimurium, monophasic | 15 |
| | Meat from pig - carcass - Slaughterhouse - Spain - food sample - carcass swabs - Surveillance - Official sampling - Objective sampling | single (food/feed) | 400 | Square centimetre | Data from Murcia | ISO 6579-1:2017 Salmonella | 135 | 20 | Salmonella spp., unspecified | 20 |
| | Meat from pig - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 3 | 0 | Salmonella | 0 |
| | Meat from pig - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Meat from pig - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat from pig - fresh - frozen - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat from pig - meat preparation - intended to be eaten cooked - chilled - Border Control Posts - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from pig - meat preparation - intended to be eaten cooked - chilled - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 35 | 0 | Salmonella | 0 |
| | | | | | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | | | | | Data from La Rioja | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Meat from pig - meat preparation - intended to be eaten cooked - chilled - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 10 | 0 | Salmonella | 0 |
| | Meat from pig - meat preparation - intended to be eaten cooked - chilled - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Meat from pig - meat preparation - intended to be eaten cooked - chilled - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Meat from pig - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat from pig - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 40 | 2 | Salmonella Typhimurium, monophasic - 4 | 2 |
| | Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 4 | 0 | Salmonella | 0 |
| Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 | |
| Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 6 | 0 | Salmonella | 0 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|------------------------------|------------------|
| Not Available | Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Meat from pig - meat preparation - intended to be eaten cooked - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 40 | 0 | Salmonella | 0 |
| | | | | | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 35 | 0 | Salmonella | 0 |
| | Meat from pig - meat preparation - intended to be eaten cooked - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from pig - meat preparation - intended to be eaten cooked - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 345 | 9 | Salmonella spp., unspecified | 9 |
| | Meat from pig - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 5 | 0 | Salmonella | 0 |
| | Meat from pig - meat preparation - intended to be eaten cooked - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 7 | 1 | Salmonella spp., unspecified | 1 |
| | Meat from pig - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Meat from pig - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 2 | 0 | Salmonella | 0 |
| | Meat from pig - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat from pig - meat preparation - intended to be eaten cooked - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 160 | 3 | Salmonella spp., unspecified | 3 |
| | Meat from pig - meat preparation - intended to be eaten cooked - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 23 | 4 | Salmonella spp., unspecified | 4 |
| | Meat from pig - meat preparation - intended to be eaten raw - chilled - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from pig - meat preparation - intended to be eaten raw - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 9 | 0 | Salmonella | 0 |
| | Meat from pig - meat preparation - intended to be eaten raw - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 6 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - cooked ham - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - cooked ham - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - cooked ham - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - cooked ham - sliced - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | Real-Time PCR (qualitative or quantitative) | 16 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|-------------------------|------------------|
| Not Available | Meat from pig - meat products - cooked ham - sliced - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - cooked, ready-to-eat - chilled - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - cooked, ready-to-eat - chilled - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - cooked, ready-to-eat - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 40 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - cooked, ready-to-eat - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 6 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - cooked, ready-to-eat - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - cooked, ready-to-eat - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 40 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - cooked, ready-to-eat - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - cooked, ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 20 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - cooked, ready-to-eat - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 8 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - cooked, ready-to-eat - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 7 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 2 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - fermented sausages - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - fermented sausages - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 8 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - fermented sausages - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 165 | 1 | Salmonella Choleraesuis | 1 |
| | Meat from pig - meat products - fermented sausages - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 3 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - fermented sausages - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 4 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|------------------------|------------------|
| Not Available | Meat from pig - meat products - fermented sausages - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - fresh raw sausages - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 2 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - fresh raw sausages - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 2 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - meat specialities - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 12 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - meat specialities - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - meat specialities - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 2 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - meat specialities - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - non-ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - pâté - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - pâté - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - pâté - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | Real-Time PCR (qualitative or quantitative) | 4 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - raw and intended to be eaten raw - chilled - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - raw and intended to be eaten raw - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - raw and intended to be eaten raw - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - raw and intended to be eaten raw - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 60 | 0 | Salmonella | 0 |
| | | | | | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 115 | 8 | Salmonella Derby | 2 |
| | | | | | | | | | Salmonella Typhimurium | 6 |
| | | | | | Data from Navarra | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - raw and intended to be eaten raw - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 3 | Salmonella Typhimurium | 3 |
| | Meat from pig - meat products - raw and intended to be eaten raw - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 3 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|------------------------------|------------------|
| Not Available | Meat from pig - meat products - raw and intended to be eaten raw - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 6 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - raw and intended to be eaten raw - Processing plant - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - raw and intended to be eaten raw - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - raw and intended to be eaten raw - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 11 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - raw and intended to be eaten raw - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 4 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - raw but intended to be eaten cooked - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Navarra | ISO 6579-1:2017 Salmonella | 25 | 8 | Salmonella spp., unspecified | 8 |
| | Meat from pig - meat products - raw ham - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 30 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - raw ham - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 5 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - raw ham - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 32 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - raw ham - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 8 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - raw ham - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - raw ham - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | Real-Time PCR (qualitative or quantitative) | 16 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - raw ham - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - ready-to-eat - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Extremadura | ISO 6579-1:2017 Salmonella | 100 | 2 | Salmonella spp., unspecified | 2 |
| | | | | | Data from Illes Balears | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | | | | | Data from La Rioja | ISO 6579-1:2017 Salmonella | 40 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - ready-to-eat - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from La Rioja | PCR | 5 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - ready-to-eat - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 300 | 7 | Salmonella spp., unspecified | 7 |
| | Meat from pig - meat products - ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Extremadura | ISO 6579-1:2017 Salmonella | 40 | 0 | Salmonella | 0 |
| | | | | | Data from Illes Balears | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | | | | | Data from La Rioja | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from La Rioja | PCR | 10 | 0 | Salmonella | 0 |
| | Meat from pig - meat products - ready-to-eat - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 165 | 5 | Salmonella spp., unspecified | 5 |
| | Meat from pig - meat products - unspecified, non ready-to-eat - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|------------------------------------|------------------|
| Not Available | Meat from pig - meat products - unspecified, non ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat from pig - mechanically separated meat (MSM) - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 45 | 5 | Salmonella Brandenburg | 3 |
| | | | | | | | | | Salmonella Bredeney | 1 |
| | | | | | | | | | Salmonella Typhimurium, monophasic | 1 |
| | Meat from pig - minced meat - intended to be eaten cooked - chilled - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat from pig - minced meat - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Meat from pig - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data From Madrid | ISO 6579-1:2017 Salmonella | 40 | 0 | Salmonella | 0 |
| | Meat from pig - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data From Madrid | Immunofluorescence method | 4 | 0 | Salmonella | 0 |
| | Meat from pig - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | | | | | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Meat from pig - minced meat - intended to be eaten cooked - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | | | | | Data from Extremadura | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from pig - minced meat - intended to be eaten cooked - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 40 | 0 | Salmonella | 0 |
| | Meat from pig - minced meat - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Extremadura | ISO 6579-1:2017 Salmonella | 60 | 0 | Salmonella | 0 |
| | Meat from pig - minced meat - intended to be eaten cooked - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 |
| | Meat from pig - minced meat - intended to be eaten cooked - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Meat from pig - other slaughtering products - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - chilled - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 280 | 17 | Salmonella spp., unspecified | 17 |
| | Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|------------------------------|------------------|
| Not Available | Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 2 | 1 | Salmonella spp., unspecified | 1 |
| | Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579-1:2017 Salmonella | 15 | 2 | Salmonella spp., unspecified | 2 |
| | Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 220 | 16 | Salmonella spp., unspecified | 16 |
| | Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579-1:2017 Salmonella | 28 | 3 | Salmonella spp., unspecified | 3 |
| | Meat from poultry, unspecified - meat preparation - intended to be eaten raw - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 2 | 0 | Salmonella | 0 |
| | Meat from poultry, unspecified - meat products - non-ready-to-eat - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from La Rioja | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Meat from poultry, unspecified - meat products - non-ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Meat from poultry, unspecified - meat products - non-ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from La Rioja | PCR | 5 | 0 | Salmonella | 0 |
| | Meat from poultry, unspecified - meat products - ready-to-eat - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 80 | 0 | Salmonella | 0 |
| | Meat from poultry, unspecified - meat products - ready-to-eat - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 55 | 0 | Salmonella | 0 |
| | Meat from poultry, unspecified - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 15 | 5 | Salmonella Enteritidis | 5 |
| | Meat from quails - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 2 | 0 | Salmonella | 0 |
| | Meat from quails - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 5 | 0 | Salmonella | 0 |
| | Meat from rabbit - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 4 | 0 | Salmonella | 0 |
| | Meat from rabbit - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 1 | 0 | Salmonella | 0 |
| | Meat from sheep - carcass - chilled - Slaughterhouse - Not Available - food sample - carcass swabs - Surveillance - Official sampling - Objective sampling | single (food/feed) | 400 | Square centimetre | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 3 | 0 | Salmonella | 0 |
| | Meat from sheep - carcass - Slaughterhouse - Not Available - food sample - carcass swabs - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 400 | Square centimetre | Data from Extremadura | ISO 6579-1:2017 Salmonella | 50 | 0 | Salmonella | 0 |
| | Meat from sheep - carcass - Slaughterhouse - Not Available - food sample - carcass swabs - Surveillance - Industry sampling - Objective sampling | single (food/feed) | 400 | Square centimetre | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 425 | 1 | Salmonella spp., unspecified | 1 |
| | | | | | DATA FROM MADRID | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 260 | 0 | Salmonella | 0 |
| | Meat from sheep - carcass - Slaughterhouse - Not Available - food sample - carcass swabs - Surveillance - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 400 | Square centimetre | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 |
| | Meat from sheep - carcass - Slaughterhouse - Spain - food sample - carcass swabs - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 400 | Square centimetre | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 50 | 0 | Salmonella | 0 |
| | Meat from sheep - carcass - Slaughterhouse - Spain - food sample - carcass swabs - Surveillance - Official sampling - Objective sampling | single (food/feed) | 400 | Square centimetre | Data from Murcia | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|------------------------------|------------------|
| Not Available | Meat from sheep - fresh - chilled - Cutting plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 3 | 0 | Salmonella | 0 |
| | Meat from sheep - fresh - chilled - Packing centre - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat from sheep - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 1 | 0 | Salmonella | 0 |
| | Meat from sheep - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 23 | 0 | Salmonella | 0 |
| | | | | | DATA FROM MADRID LAB VISAVET | ISO 6579-1:2017 Salmonella | 50 | 0 | Salmonella | 0 |
| | Meat from turkey - carcass - chilled - Slaughterhouse - Not Available - food sample - neck skin - Surveillance - based on Regulation 2073 - Industry sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 250 | 0 | Salmonella | 0 |
| | Meat from turkey - carcass - chilled - Slaughterhouse - Not Available - food sample - neck skin - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 50 | 0 | Salmonella | 0 |
| | Meat from turkey - carcass - chilled - Slaughterhouse - Spain - food sample - neck skin - Surveillance - based on Regulation 2073 - Official, based on Regulation 2019/627 - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 50 | 17 | Salmonella spp., unspecified | 17 |
| | Meat from turkey - fresh - chilled - Distribution; wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 5 | 3 | Salmonella spp., unspecified | 3 |
| | Meat from turkey - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 10 | 0 | Salmonella | 0 |
| | Meat from turkey - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 4 | 0 | Salmonella | 0 |
| | Meat from turkey - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB VISAVET | ISO 6579-1:2017 Salmonella | 50 | 2 | Salmonella Derby | 1 |
| | | | | | | | | | Salmonella Enteritidis | 1 |
| | Meat from turkey - fresh - skinned - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 11 | 0 | Salmonella | 0 |
| | Meat from turkey - fresh - with skin - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | | | | | | | | | | 0 |
| | Meat from turkey - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | | | | | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 20 | 5 | Salmonella Derby | 5 |
| | Meat from turkey - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 2 | 0 | Salmonella | 0 |
| | Meat from turkey - meat preparation - intended to be eaten cooked - chilled - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from turkey - meat preparation - intended to be eaten cooked - Distribution; wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from turkey - meat preparation - intended to be eaten cooked - frozen - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from turkey - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|------------|------------------|
| Not Available | Meat from turkey - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat from turkey - meat preparation - intended to be eaten raw - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat from turkey - meat products - cooked, ready-to-eat - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Meat from turkey - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Meat from turkey - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat from turkey - meat products - non-ready-to-eat - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from turkey - meat products - non-ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Illes Balears | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | | | | | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 65 | 0 | Salmonella | 0 |
| | Meat from turkey - meat products - non-ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from turkey - meat products - raw and intended to be eaten raw - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Meat from turkey - meat products - raw but intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Meat from turkey - meat products - ready-to-eat - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from turkey - minced meat - intended to be eaten cooked - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from turkey - minced meat - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from wild boar - meat products - pâté - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat from wild game - land mammals - meat products - raw and intended to be eaten raw - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat sauce - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Meat, mixed meat - meat preparation - intended to be eaten cooked - chilled - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat, mixed meat - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 35 | 0 | Salmonella | 0 |
| | Meat, mixed meat - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Cantabria | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|----------------------------------|--|--------------------|---------------|--------------------|----------------------------------|--|--------------------------|-----------------------------|--------------------------|------------------|
| Not Available | Meat, mixed meat - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat, mixed meat - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat, mixed meat - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 35 | 2 | Salmonella Typhimurium | 2 |
| | Meat, mixed meat - meat preparation - intended to be eaten cooked - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| Data from Principado de Asturias | | | | | ISO 6579-1:2017 Salmonella | 45 | 9 | Salmonella Bovismorbificans | 3 | |
| | | | | | | | Salmonella Typhimurium 1 | 6 | | |
| | Meat, mixed meat - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | | | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat, mixed meat - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | | | | | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | | | | | Data from Principado de Asturias | ISO 6579-1:2017 Salmonella | 20 | 5 | Salmonella Typhimurium 1 | 5 |
| | Meat, mixed meat - meat preparation - intended to be eaten raw - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat, mixed meat - meat preparation - intended to be eaten raw - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat, mixed meat - meat preparation - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Meat, mixed meat - meat products - cooked, ready-to-eat - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat, mixed meat - meat products - fresh raw sausages - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579-1:2017 Salmonella | 55 | 0 | Salmonella | 0 |
| | Meat, mixed meat - meat products - fresh raw sausages - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579-1:2017 Salmonella | 45 | 0 | Salmonella | 0 |
| | Meat, mixed meat - meat products - non-ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Illes Balears | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat, mixed meat - meat products - non-ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Meat, mixed meat - meat products - raw and intended to be eaten raw - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|------------------------------|------------------|
| Not Available | Meat, mixed meat - minced meat - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Meat, mixed meat - minced meat - intended to be eaten cooked - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Meat, mixed meat - minced meat - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | Data from Extremadura | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Meat, red meat (meat from bovines, pigs, goats, sheep, horses, donkeys, bison and water buffalos) - meat preparation - intended to be eaten cooked - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 30 | 0 | Salmonella | 0 |
| | Meat, red meat (meat from bovines, pigs, goats, sheep, horses, donkeys, bison and water buffalos) - meat preparation - intended to be eaten cooked - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 10 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 50 | 1 | Salmonella spp., unspecified | 1 |
| | Milk, cows' - raw milk - intended for direct human consumption - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 2 | 0 | Salmonella | 0 |
| | Milk, cows' - raw milk for manufacture - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Milk, goats' - pasteurised milk - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Milk, goats' - raw milk for manufacture - intended for manufacture of raw or low heat-treated products - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Milk, goats' - raw milk for manufacture - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Millilitre | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Milk, sheep's - raw milk for manufacture - intended for manufacture of raw or low heat-treated products - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Molluscan shellfish - cooked - chilled - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 15 | 0 | Salmonella | 0 |
| | Molluscan shellfish - cooked - chilled - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 75 | 0 | Salmonella | 0 |
| | Molluscan shellfish - cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Molluscan shellfish - cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 |
| | Molluscan shellfish - cooked - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Extremadura | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Molluscan shellfish - cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 16 | 0 | Salmonella | 0 |
| | Molluscan shellfish - cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Molluscan shellfish - cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Illes Balears | Immunofluorescence method | 10 | 0 | Salmonella | 0 |
| | Molluscan shellfish - cooked - chilled - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | ISO 6579-1:2017 Salmonella | 95 | 2 | Salmonella Typhimurium | 2 |
| | Molluscan shellfish - cooked - frozen - Border Control Posts - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 95 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|------------|------------------|
| Not Available | Molluscan shellfish - cooked - frozen - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 |
| | Molluscan shellfish - cooked - frozen - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Molluscan shellfish - cooked - frozen - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Illes Balears | Immunofluorescence method | 15 | 0 | Salmonella | 0 |
| | Molluscan shellfish - cooked - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Molluscan shellfish - raw - chilled - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Illes Balears | Immunofluorescence method | 15 | 0 | Salmonella | 0 |
| | Molluscan shellfish - raw - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Illes Balears | Immunofluorescence method | 15 | 0 | Salmonella | 0 |
| | Molluscan shellfish - raw - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Molluscan shellfish - raw - frozen - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Molluscan shellfish - shelled, shucked and cooked - Border Control Posts - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Molluscan shellfish - shelled, shucked and cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Illes Balears | Immunofluorescence method | 5 | 0 | Salmonella | 0 |
| | Molluscan shellfish - shelled, shucked and cooked - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Mushrooms cooked sauce - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Nutmeg - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Origanum majorana L. - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - egg based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - egg based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - egg based dishes - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - egg based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 10 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - egg based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - egg based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|--------------------------------|--|--------------------|---------------|--------------------|--|--|--------------------|----------------------|------------|------------------|
| Not Available | Other processed food products and prepared dishes - egg based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 4 | 0 | Salmonella | 0 |
| | | | | | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 29 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - egg based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579:2002 Salmonella | 15 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - egg based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 14 | 0 | Salmonella | 0 |
| Data from Comunidad Valenciana | | | | | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 39 | 0 | Salmonella | 0 | |
| | Other processed food products and prepared dishes - egg based dishes - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data From Madrid | ISO 6579-1:2017 Salmonella | 90 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - egg based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - egg based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579:2002 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - egg based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - egg based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - egg based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data From Madrid | ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - egg based dishes - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - egg based dishes - School or kindergarten - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - egg based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579:2002 Salmonella | 25 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - egg based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1, sampling plan n=1 | ISO 6579-1:2017 Salmonella | 13 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - egg based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 4 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - finger food - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - finger food - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - fish and seafood based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 4 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - fish and seafood based dishes - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - fish and seafood based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579:2002 Salmonella | 5 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|----------------------------------|--|--------------------|----------------------|---------------------|------------------|
| Not Available | Other processed food products and prepared dishes - fish and seafood based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - fish and seafood based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 4 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - fish and seafood based dishes - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 30 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 35 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 71 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579:2002 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 17 | 0 | Salmonella | 0 |
| | | | | | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 67 | 1 | Salmonella Infantis | 1 |
| | Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - fish and seafood based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - fish and seafood based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 24 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - fish and seafood based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - fish and seafood based dishes - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - fish and seafood based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 6 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|----------------------------------|--|--------------------|----------------------|------------|------------------|
| Not Available | Other processed food products and prepared dishes - fish and seafood based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - ices and similar frozen desserts - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 |
| | | | | | Data from Illes Balears | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - ices and similar frozen desserts - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Illes Balears | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - ices and similar frozen desserts - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from La Rioja | PCR | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - ices and similar frozen desserts - water-based ice creams - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 3 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - legumes based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 2 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - legumes based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 11 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - legumes based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - legumes based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 46 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - legumes based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 43 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - legumes based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579:2002 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - legumes based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 16 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - legumes based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 4 | 0 | Salmonella | 0 |
| | | | | | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 82 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - legumes based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 11 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - legumes based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - legumes based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579:2002 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - legumes based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 17 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|----------------------------------|--|--------------------|----------------------|------------|------------------|
| Not Available | Other processed food products and prepared dishes - meat based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579:2002 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 9 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 8 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 75 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 6 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 51 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 106 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579:2002 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 2 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 6 | 0 | Salmonella | 0 |
| | | | | | Data from Cataluña | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 34 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|----------------------------------|--|--------------------|----------------------|------------|------------------|
| Not Available | Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 141 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 15 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579:2002 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 9 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 4 | 0 | Salmonella | 0 |
| | | | | | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 9 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - meat based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 4 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - meat based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579:2002 Salmonella | 15 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - meat based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 23 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - meat based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 6 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - mushroom based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta - filled pasta - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta - filled pasta - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|----------------------------------|--|--------------------|----------------------|------------|------------------|
| Not Available | Other processed food products and prepared dishes - pasta - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 3 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta - simple pasta - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579:2002 Salmonella | 10 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta - simple pasta - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579:2002 Salmonella | 15 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta based dishes - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 37 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 21 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | | | | | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 98 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 17 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|------------|------------------|
| Not Available | Other processed food products and prepared dishes - pasta based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 6 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta/rice salad - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 10 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta/rice salad - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 7 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta/rice salad - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 11 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta/rice salad - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta/rice salad - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 6 | 0 | Salmonella | 0 |
| | | | | | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 48 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta/rice salad - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pasta/rice salad - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pizza and pizza-like dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 3 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pizza and pizza-like dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pizza and pizza-like dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 6 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - pizza and pizza-like dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - potato based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 2 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - potato based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - potato based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - potato based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 10 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|----------------------------------|--|--------------------|----------------------|------------|------------------|
| Not Available | Other processed food products and prepared dishes - potato based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - potato based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - potato based dishes - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579:2002 Salmonella | 10 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - rice based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - rice based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - rice based dishes - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - rice based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 22 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - rice based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 20 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - rice based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579:2002 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - rice based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - rice based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 9 | 0 | Salmonella | 0 |
| | | | | | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 41 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - rice based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - rice based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 4 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - rice based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | | | | | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 7 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - rice based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|------------|------------------|
| Not Available | Other processed food products and prepared dishes - rice based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 19 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - rice based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - sandwiches - non-meat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 4 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - sandwiches - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 11 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - sandwiches - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 2 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - Sandwiches - with fish - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - Sandwiches - with fish - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 6 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - Sandwiches - with fish - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - sandwiches - with meat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - sandwiches - with meat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 8 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - sandwiches - with meat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - sushi - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - sushi - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - sushi - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - sushi - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 2 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|---|--|--------------------|---------------|----------------------------------|--------------------------------|--|--------------------|----------------------|------------|------------------|
| Not Available | Other processed food products and prepared dishes - sushi - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | | | | | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - sushi - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - sushi - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 7 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - sushi - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - sushi - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 3 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - unspecified - containing raw egg - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - unspecified - containing raw egg - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Illes Balears | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - unspecified - containing raw egg - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - unspecified - containing raw egg - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from La Rioja | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - unspecified - containing raw egg - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - unspecified - non-ready-to-eat foods - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Extremadura | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - unspecified - non-ready-to-eat foods - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Catering - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 8 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - unspecified - ready-to-eat foods - chilled - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Extremadura | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - unspecified - ready-to-eat foods - chilled - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Extremadura | ISO 6579-1:2017 Salmonella | 230 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - unspecified - ready-to-eat foods - chilled - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Extremadura | ISO 6579-1:2017 Salmonella | 120 | 0 | Salmonella | 0 |
| Other processed food products and prepared dishes - unspecified - ready-to-eat foods - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 | |
| Other processed food products and prepared dishes - unspecified - ready-to-eat foods - frozen - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579:2002 Salmonella | 10 | 0 | Salmonella | 0 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|------------------------------|--|--------------------|----------------------|------------|------------------|
| Not Available | Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 3 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 2 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | Real-Time PCR (qualitative or quantitative) | 20 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data From Madrid | Immunofluorescence method | 11 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 13 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 15 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|----------------------------------|--|--------------------|----------------------|------------------------|------------------|
| Not Available | Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 40 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Euskadi | Real-Time PCR (qualitative or quantitative) | 63 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579:2002 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 |
| | | | | | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 22 | 0 | Salmonella | 0 |
| | | | | | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 80 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Selective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 2 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 2 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 22 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 30 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 6579:2002 Salmonella | 15 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other processed food products and prepared dishes - vegetable based dishes - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Other products of animal origin - gelatin and collagen - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | | | | | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | | | | | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 25 | 3 | Salmonella Typhimurium | 3 |
| | Other products of animal origin - gelatin and collagen - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 10 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|------------------------------|------------------|
| Not Available | Other products of animal origin - gelatin and collagen - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 25 | 0 | Salmonella | 0 |
| | Other products of animal origin - gelatin and collagen - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Other products of animal origin - gelatin and collagen - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | | | | | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 145 | 6 | Salmonella Typhimurium | 6 |
| | Other products of animal origin - gelatin and collagen - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 55 | 0 | Salmonella | 0 |
| | Peppercorns - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Peppers - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Peppers, sweet - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 40 | 0 | Salmonella | 0 |
| | Peppers, sweet - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Pink pepper - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Ready-to-eat salads - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Ready-to-eat salads - containing mayonnaise - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Ready-to-eat salads - containing mayonnaise - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| | Ready-to-eat salads - containing mayonnaise - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Ready-to-eat salads - containing mayonnaise - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 6 | 0 | Salmonella | 0 |
| | Ready-to-eat salads - containing mayonnaise - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 5 | 0 | Salmonella | 0 |
| | Ready-to-eat salads - containing mayonnaise - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 27 | 0 | Salmonella | 0 |
| | Ready-to-eat salads - containing mayonnaise - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Ready-to-eat salads - containing mayonnaise - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 9 | 0 | Salmonella | 0 |
| | Ready-to-eat salads - containing mayonnaise - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 33 | 1 | Salmonella spp., unspecified | 1 |
| | | | | | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 31 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|--|--|--------------------|---------------|--------------------|--|--|--------------------|----------------------|--------------------------|------------------|
| | | | | | | | | | | |
| Not Available | Ready-to-eat salads - containing mayonnaise - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 3 | 0 | Salmonella | 0 |
| | Ready-to-eat salads - containing mayonnaise - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 4 | 0 | Salmonella | 0 |
| | Ready-to-eat salads - containing mayonnaise - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 4 | 0 | Salmonella | 0 |
| | | | | | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Ready-to-eat salads - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Ready-to-eat salads - Hospital or medical care facility - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Ready-to-eat salads - Hospital or medical care facility - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Ready-to-eat salads - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Ready-to-eat salads - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 25 | 0 | Salmonella | 0 |
| | Ready-to-eat salads - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 91 | 2 | Salmonella Infantis | 2 |
| | Ready-to-eat salads - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 81 | 0 | Salmonella | 0 |
| | Ready-to-eat salads - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 63 | 0 | Salmonella | 0 |
| | | | | | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 235 | 1 | Salmonella Enteritidis | 1 |
| | | | | | | | | | Salmonella Enteritidis 8 | 1 |
| | Ready-to-eat salads - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 5 | 0 | Salmonella | 0 |
| | Ready-to-eat salads - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 6 | 0 | Salmonella | 0 |
| | Ready-to-eat salads - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| Ready-to-eat salads - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 4 | 0 | Salmonella | 0 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|----------------------------------|--|--------------------|----------------------|------------------------------|------------------|
| Not Available | Ready-to-eat salads - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 80 | 0 | Salmonella | 0 |
| | Ready-to-eat salads - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Ready-to-eat salads - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Rosemary - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Saffron - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 95 | 0 | Salmonella | 0 |
| | Sauce and dressings - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Sauce and dressings - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 10 | 0 | Salmonella | 0 |
| | Sauce and dressings - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Seeds, sprouted - non-ready-to-eat - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 44 | 0 | Salmonella | 0 |
| | Seeds, sprouted - ready-to-eat - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 5 | 0 | Salmonella | 0 |
| | Seeds, sprouted - ready-to-eat - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 74 | 0 | Salmonella | 0 |
| | Seeds, sprouted - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Seeds, sprouted - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Seeds, sprouted - ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cantabria | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | | | | | Data from Cataluña | ISO 6579-1:2017 Salmonella | 15 | 1 | Salmonella Give | 1 |
| | | | | | Data from Extremadura | ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 |
| | | | | | Data from Galicia | ISO 6579-1:2017 Salmonella | 50 | 0 | Salmonella | 0 |
| | | | | | Data from Principado de Asturias | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Seeds, sprouted - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 9 | 0 | Salmonella | 0 |
| | | | | | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 22 | 1 | Salmonella spp., unspecified | 1 |
| | Seeds, sprouted - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | Seeds, sprouted - ready-to-eat - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 25 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|---------------------------|------------------|
| Not Available | Seeds, sprouted - ready-to-eat - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 4 | 0 | Salmonella | 0 |
| | Seeds, sprouted - shoot - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Seeds, sprouted - shoot - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Illes Balears | Immunofluorescence method | 20 | 0 | Salmonella | 0 |
| | Seeds, sprouted - shoot - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Illes Balears | Immunofluorescence method | 5 | 0 | Salmonella | 0 |
| | Sesame seeds and similar - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Soups - ready-to-eat - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Soups - ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | Real-Time PCR (qualitative or quantitative) | 3 | 0 | Salmonella | 0 |
| | Soups - ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Soups - ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Soups - ready-to-eat - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 14 | 0 | Salmonella | 0 |
| | Soups - ready-to-eat - School or kindergarten - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Spices and herbs - dried - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 1 | Salmonella Aberdeen | 1 |
| | | | | | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 105 | 3 | Salmonella Minnesota | 3 |
| | Spices and herbs - dried - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 52 | 0 | Salmonella | 0 |
| | Spices and herbs - dried - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 33 | 0 | Salmonella | 0 |
| | Spices and herbs - dried - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Spices and herbs - dried - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Spices and herbs - fresh - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | ISO 6579-1:2017 Salmonella | 10 | 2 | Salmonella Typhimurium | 2 |
| | Spices and herbs - fresh - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 15 | 1 | Salmonella Kentucky | 1 |
| | Sweet corn - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 5 | 0 | Salmonella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|--|--|--------------------|---------------|------------------------------|----------------------------------|--|--------------------|----------------------|------------|------------------|
| | | | | | | | | | | |
| Not Available | Thyme - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Turmeric - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Vanilla - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Vegetables - bulb/ clove - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Vegetables - leaves - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Vegetables - pre-cut - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Vegetables - pre-cut - frozen vegetables - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Vegetables - pre-cut - non-ready-to-eat - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Vegetables - pre-cut - non-ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Vegetables - pre-cut - non-ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Vegetables - pre-cut - ready-to-eat - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | | | | | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Vegetables - pre-cut - ready-to-eat - Distribution: wholesale and retail sale - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 35 | 0 | Salmonella | 0 |
| | Vegetables - pre-cut - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 21 | 0 | Salmonella | 0 |
| | Vegetables - pre-cut - ready-to-eat - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 3 | 0 | Salmonella | 0 |
| | Vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | | | | | DATA FROM MADRID LAB 1 | ISO 6579-1:2017 Salmonella | 80 | 0 | Salmonella | 0 |
| | | | | | Data from Principado de Asturias | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | Real-Time PCR (qualitative or quantitative) | 7 | 0 | Salmonella | 0 |
| | Vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Aragon | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 1 | 0 | Salmonella | 0 |
| Vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|------------------------------|------------------|
| | | | | | | | | | | |
| Not Available | Vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 8 | 0 | Salmonella | 0 |
| | | | | | Data from La Rioja | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 2 | 0 | Salmonella | 0 |
| | | | | | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 35 | 0 | Salmonella | 0 |
| | Vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from La Rioja | PCR | 25 | 1 | Salmonella spp., unspecified | 1 |
| | Vegetables - pre-cut - ready-to-eat - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 215 | 0 | Salmonella | 0 |
| | Vegetables - pre-cut - ready-to-eat - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Murcia | ISO 6579:2002/Amd 1:2007 (Annex D of ISO 6579) Salmonella | 9 | 0 | Salmonella | 0 |
| | Vegetables - pre-cut - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Vegetables - pre-cut - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 3 | 0 | Salmonella | 0 |
| | Vegetables - products - canned - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM ANDALUCIA | ISO 6579-1:2017 Salmonella | 15 | 0 | Salmonella | 0 |
| | Vegetables - products - cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 6579-1:2017 Salmonella | 20 | 0 | Salmonella | 0 |
| | Vegetables - products - cooked - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 5 | 0 | Salmonella | 0 |
| | Vegetables - products - dried - Border Control Posts - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | N_A | ISO 6579-1:2017 Salmonella | 195 | 0 | Salmonella | 0 |
| | Vegetables - products - fruit purée - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 12 | 0 | Salmonella | 0 |
| | Vegetables - products - fruit purée - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Vegetables - products - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla y León | ISO 6579-1:2017 Salmonella | 35 | 0 | Salmonella | 0 |
| | Vegetables - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Vegetables - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |
| | Watermelon - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Castilla-La Mancha | ISO 6579-1:2017 Salmonella | 1 | 0 | Salmonella | 0 |

Table SALMONELLA:Salmonella in feed

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|-------------------|---------------|--------------------|------------------|---------------|--------------------|----------------------|------------------------------|------------------|
| SPAIN | Compound feedingstuffs for cattle - final product - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling | batch (food/feed) | 25 | Gram | N_A | Not Available | 45 | 1 | Salmonella Typhimurium | 1 |
| | Compound feedingstuffs for pigs - final product - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling | batch (food/feed) | 25 | Gram | N_A | Not Available | 57 | 0 | Salmonella | 0 |
| | Compound feedingstuffs for poultry (non specified) - final product - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling | batch (food/feed) | 25 | Gram | N_A | Not Available | 18 | 0 | Salmonella | 0 |
| | Compound feedingstuffs for poultry, broilers - final product - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling | batch (food/feed) | 25 | Gram | N_A | Not Available | 102 | 0 | Salmonella | 0 |
| | Compound feedingstuffs for poultry, laying hens - final product - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling | batch (food/feed) | 25 | Gram | N_A | Not Available | 25 | 1 | Salmonella spp., unspecified | 1 |
| | Feed material of cereal grain origin - barley derived - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling | batch (food/feed) | 25 | Gram | N_A | Not Available | 7 | 1 | Salmonella spp., unspecified | 1 |
| | Feed material of cereal grain origin - maize derived - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling | batch (food/feed) | 25 | Gram | N_A | Not Available | 13 | 1 | Salmonella spp., unspecified | 1 |
| | Feed material of cereal grain origin - other cereal grain derived - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling | batch (food/feed) | 25 | Gram | N_A | Not Available | 4 | 0 | Salmonella | 0 |
| | Feed material of cereal grain origin - wheat derived - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling | batch (food/feed) | 25 | Gram | N_A | Not Available | 10 | 0 | Salmonella | 0 |
| | Feed material of land animal origin - animal fat - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling | batch (food/feed) | 25 | Gram | N_A | Not Available | 5 | 0 | Salmonella | 0 |
| | Feed material of land animal origin - blood meal - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling | batch (food/feed) | 25 | Gram | N_A | Not Available | 22 | 0 | Salmonella | 0 |
| | Feed material of land animal origin - dairy products - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling | batch (food/feed) | 25 | Gram | N_A | Not Available | 6 | 0 | Salmonella | 0 |
| | Feed material of land animal origin - feather meal - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling | batch (food/feed) | 25 | Gram | N_A | Not Available | 3 | 0 | Salmonella | 0 |
| | Feed material of land animal origin - meat and bone meal - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling | batch (food/feed) | 25 | Gram | N_A | Not Available | 7 | 0 | Salmonella | 0 |
| | Feed material of land animal origin - meat meal - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling | batch (food/feed) | 25 | Gram | N_A | Not Available | 69 | 1 | Salmonella spp., unspecified | 1 |
| | Feed material of land animal origin - poultry offal meal - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling | batch (food/feed) | 25 | Gram | N_A | Not Available | 21 | 3 | Salmonella spp., unspecified | 3 |
| | Feed material of marine animal origin - fish meal - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling | batch (food/feed) | 25 | Gram | N_A | Not Available | 84 | 4 | Salmonella Enteritidis | 4 |
| | Feed material of oil seed or fruit origin - rape seed derived - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling | batch (food/feed) | 25 | Gram | N_A | Not Available | 3 | 0 | Salmonella | 0 |
| | Feed material of oil seed or fruit origin - soya (bean) derived - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling | batch (food/feed) | 25 | Gram | N_A | Not Available | 11 | 0 | Salmonella | 0 |
| | Feed material of oil seed or fruit origin - sunflower seed derived - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling | batch (food/feed) | 25 | Gram | N_A | Not Available | 4 | 0 | Salmonella | 0 |
| | Pet food - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling | batch (food/feed) | 25 | Gram | N_A | Not Available | 36 | 0 | Salmonella | 0 |

Table STAPHYLOCOCCAL ENTEROTOXINS:Staphylococcal enterotoxins in food

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------------|--|--------------------|---------------|--------------------|--|--|--------------------|-----------------------------|--|------------------|
| Not Available | Cheeses made from cows' milk - fresh - made from pasteurised milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | ISO 19020:2017 Staphylococcal enterotoxins | 5 | 0 | Staphylococcal enterotoxins | 0 |
| | | | | | Data from Euskadi | ISO 19020:2017 Staphylococcal enterotoxins | 30 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 19020:2017 Staphylococcal enterotoxins | 4 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from cows' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 19020:2017 Staphylococcal enterotoxins | 10 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from cows' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 19020:2017 Staphylococcal enterotoxins | 10 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from cows' milk - fresh - made from pasteurised milk - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 19020:2017 Staphylococcal enterotoxins | 10 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from cows' milk - fresh - made from pasteurised milk - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 19020:2017 Staphylococcal enterotoxins | 5 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from cows' milk - fresh - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | ISO 19020:2017 Staphylococcal enterotoxins | 20 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from cows' milk - hard - made from pasteurised milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | ISO 19020:2017 Staphylococcal enterotoxins | 5 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from cows' milk - hard - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Madrid LAB 2 | ISO 19020:2017 Staphylococcal enterotoxins | 10 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | ISO 19020:2017 Staphylococcal enterotoxins | 5 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 19020:2017 Staphylococcal enterotoxins | 10 | 0 | Staphylococcal enterotoxins | 0 |
| Data from Navarra | | | | | ISO 19020:2017 Staphylococcal enterotoxins | 15 | 0 | Staphylococcal enterotoxins | 0 | |
| | Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Galicia | ISO 19020:2017 Staphylococcal enterotoxins | 35 | 0 | Staphylococcal enterotoxins | 0 |
| DATA FROM MADRID LAB 1 | | | | | ISO 19020:2017 Staphylococcal enterotoxins | 20 | 0 | Staphylococcal enterotoxins | 0 | |
| | Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 19020:2017 Staphylococcal enterotoxins | 10 | 1 | Staphylococcal enterotoxins - Enterotoxin, unspecified | 1 |
| | Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 19020:2017 Staphylococcal enterotoxins | 5 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from cows' milk - unspecified - made from raw or low heat-treated milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | ISO 19020:2017 Staphylococcal enterotoxins | 5 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from goats' milk - fresh - made from pasteurised milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | ISO 19020:2017 Staphylococcal enterotoxins | 25 | 0 | Staphylococcal enterotoxins | 0 |
| Data from Extremadura | | | | | ISO 19020:2017 Staphylococcal enterotoxins | 20 | 0 | Staphylococcal enterotoxins | 0 | |
| DATA FROM MADRID LAB 1 | | | | | ISO 19020:2017 Staphylococcal enterotoxins | 5 | 0 | Staphylococcal enterotoxins | 0 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|--------------------------------|--|--------------------|----------------------|--|------------------|
| Not Available | Cheeses made from goats' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 19020:2017 Staphylococcal enterotoxins | 25 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from goats' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 19020:2017 Staphylococcal enterotoxins | 1 | 0 | Staphylococcal enterotoxins | 0 |
| | | | | | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 19020:2017 Staphylococcal enterotoxins | 10 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Manufacturing - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Canarias | Alternative method validated against the reference method ISO 19020:2017 Staphylococcal enterotoxins | 1 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | ISO 19020:2017 Staphylococcal enterotoxins | 10 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 19020:2017 Staphylococcal enterotoxins | 5 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 19020:2017 Staphylococcal enterotoxins | 15 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 19020:2017 Staphylococcal enterotoxins | 10 | 1 | Staphylococcal enterotoxins - Enterotoxin, unspecified | 1 |
| | Cheeses made from goats' milk - soft and semi-soft - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Madrid LAB 2 | ISO 19020:2017 Staphylococcal enterotoxins | 5 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from goats' milk - unspecified - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 19020:2017 Staphylococcal enterotoxins | 5 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from sheep's milk - fresh - made from pasteurised milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | ISO 19020:2017 Staphylococcal enterotoxins | 5 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from sheep's milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 19020:2017 Staphylococcal enterotoxins | 5 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from sheep's milk - hard - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Navarra | ISO 19020:2017 Staphylococcal enterotoxins | 35 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from sheep's milk - hard - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 19020:2017 Staphylococcal enterotoxins | 10 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from sheep's milk - hard - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 19020:2017 Staphylococcal enterotoxins | 2 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | ISO 19020:2017 Staphylococcal enterotoxins | 100 | 0 | Staphylococcal enterotoxins | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|----------------------------------|--|--------------------|----------------------|-----------------------------|------------------|
| Not Available | Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 19020:2017 Staphylococcal enterotoxins | 5 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Illes Balears | ISO 19020:2017 Staphylococcal enterotoxins | 5 | 0 | Staphylococcal enterotoxins | 0 |
| | | | | | Data from Madrid LAB 2 | ISO 19020:2017 Staphylococcal enterotoxins | 5 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 19020:2017 Staphylococcal enterotoxins | 1 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Principado de Asturias | ISO 19020:2017 Staphylococcal enterotoxins | 30 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from sheep's milk - soft and semi-soft - made from raw or low heat-treated milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 19020:2017 Staphylococcal enterotoxins | 5 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from sheep's milk - unspecified - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 19020:2017 Staphylococcal enterotoxins | 5 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses made from sheep's milk - unspecified - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 19020:2017 Staphylococcal enterotoxins | 5 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | ISO 19020:2017 Staphylococcal enterotoxins | 15 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 19020:2017 Staphylococcal enterotoxins | 15 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 19020:2017 Staphylococcal enterotoxins | 5 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - hard - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Madrid LAB 2 | ISO 19020:2017 Staphylococcal enterotoxins | 5 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - hard - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 19020:2017 Staphylococcal enterotoxins | 2 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - hard - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 19020:2017 Staphylococcal enterotoxins | 5 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from pasteurised milk - Distribution: wholesale and retail sale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | ISO 19020:2017 Staphylococcal enterotoxins | 5 | 0 | Staphylococcal enterotoxins | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 19020:2017 Staphylococcal enterotoxins | 15 | 0 | Staphylococcal enterotoxins | 0 |
| | Dairy products (excluding cheeses) - dairy desserts - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 19020:2017 Staphylococcal enterotoxins | 1 | 0 | Staphylococcal enterotoxins | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|---|--|--------------------|---------------|------------------------|--|--|--------------------|-----------------------------|-----------------------------|------------------|
| Not Available | Dairy products (excluding cheeses) - milk powder and whey powder - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 19020:2017 Staphylococcal enterotoxins | 60 | 0 | Staphylococcal enterotoxins | 0 |
| | | | | | Data from Navarra | ISO 19020:2017 Staphylococcal enterotoxins | 10 | 0 | Staphylococcal enterotoxins | 0 |
| | Dairy products (excluding cheeses) - milk powder and whey powder - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 19020:2017 Staphylococcal enterotoxins | 11 | 0 | Staphylococcal enterotoxins | 0 |
| | | | | | Data from Euskadi | ISO 19020:2017 Staphylococcal enterotoxins | 19 | 0 | Staphylococcal enterotoxins | 0 |
| | Dairy products (excluding cheeses) - milk powder and whey powder - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Comunidad Valenciana | Alternative method validated against the reference method ISO 19020:2017 Staphylococcal enterotoxins | 25 | 0 | Staphylococcal enterotoxins | 0 |
| Dairy products (excluding cheeses) - milk powder and whey powder - Wholesale - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | DATA FROM MADRID LAB 1 | ISO 19020:2017 Staphylococcal enterotoxins | 15 | 0 | Staphylococcal enterotoxins | 0 | |

Table STAPHYLOCOCCUS AUREUS METICILLIN RESISTANT (MRSA):Staphylococcus in food

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | Total Units Tested Attribute | Total Units Positive Attribute | Zoonoses | CC | Spa type ML | Units positive |
|------------------|---|---------------------|---------------|--------------------|------------------|--|------------------------------|--------------------------------|--|----|-------------|----------------|
| Not Available | Meat from broilers (Gallus gallus) - fresh - skinned - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/fe ed) | 1 | Gram | DATA FROM MADRID | MRSA 1-step isolation method (EURL-AR protocol 2018)-excluding the selective enrichment step | 45 | 0 | Methicillin resistant Staphylococcus aureus (MRSA) | | | 0 |
| | Meat from broilers (Gallus gallus) - fresh - with skin - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/fe ed) | 1 | Gram | DATA FROM MADRID | MRSA 1-step isolation method (EURL-AR protocol 2018)-excluding the selective enrichment step | 45 | 1 | Methicillin resistant Staphylococcus aureus (MRSA) | | 6228 | 1 |

Table TOXOPLASMA:Toxoplasma in animal

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling Details | Method | Sampling unit | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|------------------|---|---------------|--------------------|----------------------|-------------------|------------------|
| SPAIN | Goats - Farm - Spain - animal sample - blood - Clinical investigations - Official sampling - Suspect sampling | N_A | Enzyme-linked immunosorbent assay (ELISA) | herd/flock | 20 | 5 | Toxoplasma gondii | 5 |
| | Sheep - Farm - Spain - animal sample - blood - Clinical investigations - Official sampling - Suspect sampling | N_A | Enzyme-linked immunosorbent assay (ELISA) | herd/flock | 133 | 10 | Toxoplasma gondii | 10 |

Table TRICHINELLA:Trichinella in animal

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling Details | Method | Sampling unit | total units | | Zoonoses | N units positive |
|------------------|--|----------------------------------|---|---------------|-------------|----------|------------------------------|------------------|
| | | | | | unit tested | positive | | |
| Not Available | Pigs - breeding animals - others - not raised under controlled housing conditions - indoors - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Comunidad Valenciana | Magnetic stirrer method for pooled sample digestion | animal | 610 | 0 | Trichinella | 0 |
| | | Data from Aragon | Magnetic stirrer method for pooled sample digestion | animal | 457118 | 0 | Trichinella | 0 |
| | Pigs - breeding animals - others - not raised under controlled housing conditions - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Catalunya | Magnetic stirrer method for pooled sample digestion | animal | 338979 | 0 | Trichinella | 0 |
| | | Data from Castilla y León | Magnetic stirrer method for pooled sample digestion | animal | 14342 | 0 | Trichinella | 0 |
| | Pigs - breeding animals - others - not raised under controlled housing conditions - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla-La Mancha | Magnetic stirrer method for pooled sample digestion | animal | 822 | 0 | Trichinella | 0 |
| | | Data from Illes Balears | Magnetic stirrer method for pooled sample digestion | animal | 839 | 0 | Trichinella | 0 |
| | | Data from Aragon | Magnetic stirrer method for pooled sample digestion | animal | 768 | 0 | Trichinella | 0 |
| | Pigs - fattening pigs - others - not raised under controlled housing conditions - Farm - Not Available - animal sample - organ/tissue - Surveillance - Official sampling - Census | Data from Navarra | Magnetic stirrer method for pooled sample digestion | animal | 25 | 0 | Trichinella | 0 |
| | | Data from Cantabria | Magnetic stirrer method for pooled sample digestion | animal | 193 | 0 | Trichinella | 0 |
| | Pigs - fattening pigs - others - not raised under controlled housing conditions - Farm - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Census | Data from Castilla-La Mancha | Magnetic stirrer method for pooled sample digestion | animal | 304 | 0 | Trichinella | 0 |
| | | Data from Illes Balears | Magnetic stirrer method for pooled sample digestion | animal | 161 | 0 | Trichinella | 0 |
| | | Data from La Rioja | Magnetic stirrer method for pooled sample digestion | animal | 30 | 0 | Trichinella | 0 |
| | | Data from Madrid | Magnetic stirrer method for pooled sample digestion | animal | 38 | 0 | Trichinella | 0 |
| | | Data from Comunidad Valenciana | Magnetic stirrer method for pooled sample digestion | animal | 48 | 0 | Trichinella | 0 |
| | Pigs - fattening pigs - others - not raised under controlled housing conditions - indoors - Farm - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Census | Data from Principado de Asturias | Magnetic stirrer method for pooled sample digestion | animal | 1348 | 0 | Trichinella | 0 |
| | | Data from Comunidad Valenciana | Magnetic stirrer method for pooled sample digestion | animal | 1372057 | 0 | Trichinella | 0 |
| | Pigs - fattening pigs - others - not raised under controlled housing conditions - outdoors - Farm - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Census | DATA FROM ANDALUCÍA | Magnetic stirrer method for pooled sample digestion | animal | 2177 | 0 | Trichinella | 0 |
| | | Data from Castilla y León | Magnetic stirrer method for pooled sample digestion | animal | 6886 | 1 | Trichinella, unspecified sp. | 1 |
| | | Data from Extremadura | Magnetic stirrer method for pooled sample digestion | animal | 4940 | 0 | Trichinella | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling Details | Method | Sampling unit | total units | total units | Zoonoses | N units positive |
|------------------|---|---|---|---------------|--------------|-------------|----------------------|------------------|
| | | | | | tested | positive | | |
| Not Available | Pigs - fattening pigs - others - not raised under controlled housing conditions - outdoors - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Extremadura | Magnetic stirrer method for pooled sample digestion | animal | 482950 | 1 | Trichinella spiralis | 1 |
| | Pigs - fattening pigs - others - not raised under controlled housing conditions - piglets - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Catalunya | Magnetic stirrer method for pooled sample digestion | animal | 45321 | 0 | Trichinella | 0 |
| | Pigs - fattening pigs - others - not raised under controlled housing conditions - piglets - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla-La Mancha | Magnetic stirrer method for pooled sample digestion | animal | 21611 | 0 | Trichinella | 0 |
| | | Data from Illes Balears | Magnetic stirrer method for pooled sample digestion | animal | 74481 | 0 | Trichinella | 0 |
| | Pigs - fattening pigs - others - not raised under controlled housing conditions - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Aragon | Magnetic stirrer method for pooled sample digestion | animal | 1015545 3 | 0 | Trichinella | 0 |
| | | Data from Catalunya | Magnetic stirrer method for pooled sample digestion | animal | 2301278 7 | 0 | Trichinella | 0 |
| | | Data from Navarra | Magnetic stirrer method for pooled sample digestion | animal | 22082 | 0 | Trichinella | 0 |
| | Pigs - fattening pigs - others - not raised under controlled housing conditions - Slaughterhouse - Portugal - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Madrid | Magnetic stirrer method for pooled sample digestion | animal | 24070 | 0 | Trichinella | 0 |
| | Pigs - fattening pigs - others - not raised under controlled housing conditions - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | DATA FROM ANDALUCÍA | Magnetic stirrer method for pooled sample digestion | animal | 3281615 | 0 | Trichinella | 0 |
| | | Data from Canarias | Magnetic stirrer method for pooled sample digestion | animal | 62278 | 0 | Trichinella | 0 |
| | | Data from Cantabria | Magnetic stirrer method for pooled sample digestion | animal | 697 | 0 | Trichinella | 0 |
| | | Data from Castilla y León | Magnetic stirrer method for pooled sample digestion | animal | 5909464 | 0 | Trichinella | 0 |
| | | Data from Castilla-La Mancha | Magnetic stirrer method for pooled sample digestion | animal | 4028913 | 0 | Trichinella | 0 |
| | | Data from Euskadi | Magnetic stirrer method for pooled sample digestion | animal | 12727 | 0 | Trichinella | 0 |
| | | Data from Galicia | Magnetic stirrer method for pooled sample digestion | animal | 964499 | 0 | Trichinella | 0 |
| | | Data from Illes Balears | Magnetic stirrer method for pooled sample digestion | animal | 24643 | 0 | Trichinella | 0 |
| | | Data from La Rioja | Magnetic stirrer method for pooled sample digestion | animal | 22183 | 0 | Trichinella | 0 |
| | | Data from Madrid | Magnetic stirrer method for pooled sample digestion | animal | 388685 | 0 | Trichinella | 0 |
| | | Data from Murcia | Magnetic stirrer method for pooled sample digestion | animal | 4538387 | 0 | Trichinella | 0 |
| | Data from Principado de Asturias | Magnetic stirrer method for pooled sample digestion | animal | 45369 | 0 | Trichinella | 0 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling Details | Method | Sampling unit | total units | | Zoonoses | N units positive |
|---------------------------|---|---|---|---|-------------|-------------|------------------------------|---------------------|
| | | | | | tested | positive | | |
| Not Available | Solipeds, domestic - donkeys - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Catalunya | Magnetic stirrer method for pooled sample digestion | animal | 6 | 0 | Trichinella | 0 |
| | | Data from Aragon | Magnetic stirrer method for pooled sample digestion | animal | 6943 | 0 | Trichinella | 0 |
| | | Data from Catalunya | Magnetic stirrer method for pooled sample digestion | animal | 1428 | 0 | Trichinella | 0 |
| | Solipeds, domestic - horses - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Navarra | Magnetic stirrer method for pooled sample digestion | animal | 14331 | 0 | Trichinella | 0 |
| | | Data from Cantabria | Magnetic stirrer method for pooled sample digestion | animal | 578 | 0 | Trichinella | 0 |
| | | Data from Castilla y León | Magnetic stirrer method for pooled sample digestion | animal | 2816 | 0 | Trichinella | 0 |
| | | Data from Castilla-La Mancha | Magnetic stirrer method for pooled sample digestion | animal | 6 | 0 | Trichinella | 0 |
| | | Data from Comunidad Valenciana | Magnetic stirrer method for pooled sample digestion | animal | 4486 | 0 | Trichinella | 0 |
| | | Data from Euskadi | Magnetic stirrer method for pooled sample digestion | animal | 131 | 0 | Trichinella | 0 |
| | | Data from Galicia | Magnetic stirrer method for pooled sample digestion | animal | 117 | 0 | Trichinella | 0 |
| | | Data from La Rioja | Magnetic stirrer method for pooled sample digestion | animal | 13 | 0 | Trichinella | 0 |
| | Solipeds, domestic - horses - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Principado de Asturias | Magnetic stirrer method for pooled sample digestion | animal | 1664 | 0 | Trichinella | 0 |
| | | DATA FROM ANDALUCÍA | Magnetic stirrer method for pooled sample digestion | animal | 474 | 0 | Trichinella | 0 |
| | Wild boars - farmed - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla y León | Magnetic stirrer method for pooled sample digestion | animal | 1092 | 0 | Trichinella | 0 |
| | | Wild boars - wild - Game handling establishment - Not Available - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Catalunya | Magnetic stirrer method for pooled sample digestion | animal | 15827 | 47 | Trichinella britovi |
| | Trichinella spiralis | | | | | | | 32 |
| | Trichinella, unspecified sp. | | | | | | | 13 |
| | Data from Navarra | | Magnetic stirrer method for pooled sample digestion | animal | 6478 | 2 | Trichinella britovi | 2 |
| | Wild boars - wild - Game handling establishment - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | DATA FROM ANDALUCÍA | Magnetic stirrer method for pooled sample digestion | animal | 68532 | 114 | Trichinella, unspecified sp. | 114 |
| | | Data from Cantabria | Magnetic stirrer method for pooled sample digestion | animal | 47 | 0 | Trichinella | 0 |
| Data from Castilla y León | | Magnetic stirrer method for pooled sample digestion | animal | 29 | 0 | Trichinella | 0 | |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling Details | Method | Sampling unit | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|---|---|---------------|--------------------|------------------------------|------------------------------|------------------|
| | | | | | | | | |
| Not Available | Wild boars - wild - Game handling establishment - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Castilla-La Mancha | Magnetic stirrer method for pooled sample digestion | animal | 43509 | 351 | Trichinella spiralis | 351 |
| | | Data from Extremadura | Magnetic stirrer method for pooled sample digestion | animal | 46572 | 114 | Trichinella britovi | 15 |
| | | | | | | | Trichinella spiralis | 99 |
| | | Data from La Rioja | Magnetic stirrer method for pooled sample digestion | animal | 2064 | 0 | Trichinella | 0 |
| | | Data from Principado de Asturias | Magnetic stirrer method for pooled sample digestion | animal | 288 | 1 | Trichinella britovi | 1 |
| | Wild boars - wild - Hunting - Not Available - animal sample - organ/tissue - Surveillance - Official sampling - Census | Data from Aragon | Magnetic stirrer method for pooled sample digestion | animal | 5257 | 8 | Trichinella, unspecified sp. | 8 |
| | | Data from Navarra | Magnetic stirrer method for pooled sample digestion | animal | 173 | 0 | Trichinella | 0 |
| | Wild boars - wild - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Census | Data from Cantabria | Magnetic stirrer method for pooled sample digestion | animal | 1155 | 0 | Trichinella | 0 |
| | | Data from La Rioja | Magnetic stirrer method for pooled sample digestion | animal | 198 | 1 | Trichinella, unspecified sp. | 1 |
| | | Data from Madrid | Magnetic stirrer method for pooled sample digestion | animal | 521 | 3 | Trichinella spiralis | 1 |
| | | | | | | | Trichinella, unspecified sp. | 2 |
| | | Data from Murcia | Magnetic stirrer method for pooled sample digestion | animal | 235 | 0 | Trichinella | 0 |
| | Data from Principado de Asturias | Magnetic stirrer method for pooled sample digestion | animal | 2671 | 1 | Trichinella, unspecified sp. | 1 | |
| | Wild boars - wild - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 2019/627 - Census | Data from Extremadura | Magnetic stirrer method for pooled sample digestion | animal | 19317 | 1 | Trichinella spiralis | 1 |

Table VIRUS:Virus in animal

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling Details | Method | Sampling unit | total units | | Zoonoses | N units positive |
|------------------|--|------------------|---|---------------|-------------|----------|-----------------|------------------|
| | | | | | unit tested | positive | | |
| Not Available | Birds - wild - game birds, farmed - Farm - Spain - animal sample - blood - Monitoring - active - Official sampling - Selective sampling | N_A | Reverse-transcription PCR (RT-PCR) | animal | 48 | 0 | West Nile virus | 0 |
| | Birds - wild - game birds, farmed - Farm - Spain - animal sample - blood - Monitoring - passive - Official sampling - Selective sampling | N_A | Reverse-transcription PCR (RT-PCR) | animal | 132 | 0 | West Nile virus | 0 |
| | Birds - wild - game birds, farmed - Farm - Spain - animal sample - blood - Monitoring - passive - Official sampling - Selective sampling | N_A | IgM-capture ELISA (MAC-ELISA) + Seroneutralisation test, serial | animal | 1 | 0 | West Nile virus | 0 |
| | Birds - wild - Natural habitat - Spain - animal sample - blood - Monitoring - active - Official sampling - Selective sampling | N_A | Reverse-transcription PCR (RT-PCR) | animal | 1181 | 0 | West Nile virus | 0 |
| | Birds - wild - Natural habitat - Spain - animal sample - blood - Monitoring - passive - Official sampling - Suspect sampling | N_A | Reverse-transcription PCR (RT-PCR) | animal | 1941 | 9 | West Nile virus | 9 |
| | Birds - wild - Natural habitat - Spain - animal sample - blood - Monitoring - passive - Official sampling - Suspect sampling | N_A | IgM-capture ELISA (MAC-ELISA) + Seroneutralisation test, serial | animal | 22 | 0 | West Nile virus | 0 |
| | Solipeds, domestic - horses - Farm - Spain - animal sample - blood - Monitoring - active - Official sampling - Selective sampling | N_A | IgM-capture ELISA (MAC-ELISA) | animal | 363 | 4 | West Nile virus | 4 |
| | Solipeds, domestic - horses - Farm - Spain - animal sample - blood - Monitoring - passive - Official sampling - Suspect sampling | N_A | Reverse-transcription PCR (RT-PCR) | animal | 146 | 0 | West Nile virus | 0 |
| | Solipeds, domestic - horses - Farm - Spain - animal sample - blood - Monitoring - passive - Official sampling - Suspect sampling | N_A | IgM-capture ELISA (MAC-ELISA) | animal | 119 | 5 | West Nile virus | 5 |

Table YERSINIA:Yersinia in food

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|---|--------------------|---------------|--------------------|-------------------------|--|--------------------|----------------------|-------------------------|------------------|
| Not Available | Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | PCR | 6 | 0 | Yersinia | 0 |
| | Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | PCR | 3 | 0 | Yersinia | 0 |
| | Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | PCR | 2 | 0 | Yersinia | 0 |
| | Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | PCR | 2 | 0 | Yersinia | 0 |
| | Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | PCR | 5 | 0 | Yersinia | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | PCR | 6 | 0 | Yersinia | 0 |
| | Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | PCR | 3 | 0 | Yersinia | 0 |
| | Meat from bovine animals - meat products - cooked, ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | PCR | 4 | 0 | Yersinia | 0 |
| | Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | ISO 10273:2017 Yersinia enterocolitica | 10 | 0 | Yersinia | 0 |
| | Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | PCR | 4 | 0 | Yersinia | 0 |
| | Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 10273:2017 Yersinia enterocolitica | 5 | 0 | Yersinia | 0 |
| | | | | | Data from Euskadi | ISO 10273:2017 Yersinia enterocolitica | 1 | 0 | Yersinia | 0 |
| | Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 10273:2017 Yersinia enterocolitica | 6 | 0 | Yersinia | 0 |
| | Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 10273:2017 Yersinia enterocolitica | 14 | 0 | Yersinia | 0 |
| | Meat from horse - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 10273:2017 Yersinia enterocolitica | 9 | 2 | Yersinia enterocolitica | 2 |
| | Meat from pig - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | PCR | 3 | 2 | Yersinia enterocolitica | 2 |
| | Meat from pig - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | PCR | 5 | 0 | Yersinia | 0 |
| | Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Euskadi | ISO 10273:2017 Yersinia enterocolitica | 1 | 0 | Yersinia | 0 |
| | Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | PCR | 2 | 0 | Yersinia | 0 |
| | Meat from pig - meat products - cooked ham - sliced - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | PCR | 16 | 0 | Yersinia | 0 |
| | Meat from pig - meat products - meat specialities - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | PCR | 12 | 0 | Yersinia | 0 |
| | Meat from pig - meat products - meat specialities - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | PCR | 2 | 0 | Yersinia | 0 |
| | Meat from pig - meat products - pâté - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | PCR | 4 | 0 | Yersinia | 0 |
| | Meat from pig - meat products - raw ham - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña_ASPB | PCR | 16 | 0 | Yersinia | 0 |
| | Meat from quails - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | PCR | 2 | 0 | Yersinia | 0 |
| | Meat from quails - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | PCR | 5 | 0 | Yersinia | 0 |
| | Meat from rabbit - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | PCR | 4 | 0 | Yersinia | 0 |

| Area of sampling | Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy | Sampling unit | Sample weight | Sample weight unit | Sampling Details | Method | total units tested | total units positive | Zoonoses | N units positive |
|------------------|--|--------------------|---------------|--------------------|--------------------|--|--------------------|----------------------|----------|------------------|
| Not Available | Meat from rabbit - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | PCR | 1 | 0 | Yersinia | 0 |
| | Meat from sheep - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 10273:2017 Yersinia enterocolitica | 1 | 0 | Yersinia | 0 |
| | Meat from turkey - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 10273:2017 Yersinia enterocolitica | 10 | 0 | Yersinia | 0 |
| | Milk, cows' - raw milk - intended for direct human consumption - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | PCR | 2 | 0 | Yersinia | 0 |
| | Milk, cows' - raw milk for manufacture - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 10273:2017 Yersinia enterocolitica | 1 | 0 | Yersinia | 0 |
| | Milk, goats' - raw milk for manufacture - intended for manufacture of raw or low heat-treated products - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 10273:2017 Yersinia enterocolitica | 1 | 0 | Yersinia | 0 |
| | Milk, sheep's - raw milk for manufacture - intended for manufacture of raw or low heat-treated products - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling | single (food/feed) | 25 | Gram | Data from Cataluña | ISO 10273:2017 Yersinia enterocolitica | 1 | 0 | Yersinia | 0 |

FOODBORNE OUTBREAKS TABLES

Foodborne Outbreaks: summarized data

when numbers referring to cases, hospitalized people and deaths are reported as unknown, they will be not included in the sum calculation

| Causative agent | Food vehicle | Outbreak strength | | | | Weak | | | |
|--------------------------------|--|-------------------|---------------|--------------|----------|-------------|---------------|--------------|----------|
| | | Strong | | N | | N | | N | |
| | | N outbreaks | N human cases | hospitalized | N deaths | N outbreaks | N human cases | hospitalized | N deaths |
| Aeromonas caviae | Unknown | | | | | 1 | 5 | 0 | 0 |
| Bacillus cereus | Broiler meat (Gallus gallus) and products thereof | 1 | 104 | 0 | 0 | | | | |
| | Vegetables and juices and other products thereof | 2 | 164 | 0 | 0 | | | | |
| | Cereal products including rice and seeds/pulses (nuts, almonds) | | | | | 2 | 7 | 1 | 0 |
| | Mixed food | 1 | 5 | 0 | 0 | | | | |
| | Unknown | | | | | 2 | 22 | 0 | 0 |
| Campylobacter coli | Eggs and egg products | | | | | 1 | 2 | 0 | 0 |
| | Broiler meat (Gallus gallus) and products thereof | | | | | 1 | 3 | 0 | 0 |
| | Unknown | | | | | 1 | 3 | 0 | 0 |
| Campylobacter jejuni | Broiler meat (Gallus gallus) and products thereof | | | | | 2 | 4 | 0 | 0 |
| | Other, mixed or unspecified poultry meat and products thereof | | | | | 1 | 9 | 0 | 0 |
| | Tap water, including well water | | | | | 1 | 5 | 0 | 0 |
| | Other foods | | | | | 1 | 2 | 0 | 0 |
| | Unknown | | | | | 13 | 46 | 1 | 0 |
| | Meat and meat products | | | | | 2 | 6 | 2 | 0 |
| Campylobacter, unspecified sp. | Broiler meat (Gallus gallus) and products thereof | 1 | 21 | 0 | 0 | | | | |
| | Other, mixed or unspecified poultry meat and products thereof | | | | | 1 | 2 | 0 | 0 |
| | Unknown | | | | | 2 | 22 | 0 | 0 |
| Clostridium botulinum | Vegetables and juices and other products thereof | 1 | 3 | 3 | 0 | | | | |
| Clostridium perfringens | Eggs and egg products | 1 | 40 | 0 | 0 | | | | |
| | Pig meat and products thereof | 1 | 176 | 0 | 0 | | | | |
| | Other, mixed or unspecified poultry meat and products thereof | 1 | 4 | 0 | 0 | 1 | 20 | 0 | 0 |
| | Crustaceans, shellfish, molluscs and products thereof | | | | | 1 | 2 | 0 | 0 |
| | Cereal products including rice and seeds/pulses (nuts, almonds) | | | | | 1 | 21 | 0 | 0 |
| | Bakery products | 1 | 2 | 0 | 0 | | | | |
| | Other foods | 1 | 266 | 0 | 0 | | | | |
| | Unknown | | | | | 1 | 22 | 0 | 0 |
| | Meat and meat products | 4 | 368 | 0 | 0 | 2 | 13 | 0 | 0 |
| | Other processed food products and prepared dishes - pasta - filled pasta | 1 | 22 | 0 | 0 | | | | |
| Enterococcus | Tap water, including well water | | | | | 1 | 6 | 1 | 0 |

| Causative agent | Food vehicle | Outbreak strenght | | | | | | | |
|--|--|-------------------|---------------|----------------|----------|-------------|---------------|----------------|----------|
| | | Strong | | | | Weak | | | |
| | | N outbreaks | N human cases | N hospitalized | N deaths | N outbreaks | N human cases | N hospitalized | N deaths |
| Enteroinvasive E. coli (EIEC) | Unknown | | | | | 1 | 4 | 1 | 0 |
| Enteropathogenic E. coli (EPEC) | Cheese | 1 | 3 | 0 | 0 | | | | |
| Enterotoxigenic E. coli (ETEC) | Tap water, including well water | 1 | 2 | 0 | 0 | | | | |
| Escherichia coli | Tap water, including well water | | | | | 1 | 54 | 0 | 0 |
| | Unknown | | | | | 3 | 65 | 0 | 0 |
| Histamine | Fish and fish products | 15 | 71 | 0 | 0 | 4 | 9 | 0 | 0 |
| Listeria monocytogenes | Other, mixed or unspecified poultry meat and products thereof | | | | | 1 | 3 | 0 | 0 |
| | Mixed food | 1 | 19 | 0 | 0 | | | | |
| | Unknown | | | | | 1 | 2 | 0 | 0 |
| Marine biotoxins | Fish and fish products | 2 | 6 | 0 | 0 | 5 | 12 | 0 | 0 |
| | Other foods | | | | | 1 | 12 | 1 | 0 |
| Marine biotoxins - ciguatoxin | Fish and fish products | 1 | 5 | 1 | 0 | | | | |
| Mushroom toxins | Vegetables and juices and other products thereof | 2 | 5 | 3 | 1 | 1 | 6 | 4 | 0 |
| Norovirus | Crustaceans, shellfish, molluscs and products thereof | 2 | 6 | 0 | 0 | 1 | 7 | 0 | 0 |
| | Mixed food | 4 | 170 | 6 | 0 | 5 | 75 | 1 | 0 |
| | Unknown | | | | | 17 | 619 | 0 | 0 |
| | Dairy products (excluding cheeses) - ice-cream | 1 | 22 | 0 | 0 | | | | |
| | Other processed food products and prepared dishes - sandwiches | 1 | 30 | 0 | 0 | | | | |
| Salmonella enterica, subspecies enterica | Cheese | 1 | 3 | 0 | 0 | | | | |
| | Eggs and egg products | 1 | 4 | 2 | 0 | | | | |
| | Mixed food | 1 | 2 | 0 | 0 | 4 | 24 | 3 | 0 |
| Salmonella Enteritidis | Eggs and egg products | 2 | 7 | 0 | 0 | 5 | 17 | 9 | 0 |
| | Broiler meat (Gallus gallus) and products thereof | | | | | 1 | 2 | 0 | 0 |
| | Fish and fish products | 1 | 28 | 0 | 0 | | | | |
| | Bakery products | 1 | 38 | 3 | 0 | 1 | 5 | 0 | 0 |
| | Other foods | 1 | 2 | 0 | 0 | | | | |
| | Mixed food | 3 | 14 | 2 | 0 | 5 | 12 | 3 | 0 |
| | Unknown | | | | | 19 | 65 | 10 | 0 |
| | Meat and meat products | | | | | 1 | 3 | 1 | 0 |
| | Bakery products - cakes | 2 | 13 | 1 | 0 | | | | |
| Salmonella group A | Unknown | | | | | 1 | 4 | 0 | 0 |
| Salmonella group B | Eggs and egg products | 1 | 15 | 0 | 0 | | | | |
| | Unknown | | | | | 1 | 3 | 0 | 0 |
| Salmonella group D | Eggs and egg products | 1 | 3 | 0 | 0 | 2 | 9 | 2 | 0 |
| | Mixed food | 1 | 10 | 0 | 0 | 1 | 11 | 0 | 0 |
| | Unknown | | | | | 1 | 7 | 2 | 0 |
| Salmonella spp., unspecified | Milk | | | | | 2 | 7 | 1 | 0 |
| | Dairy products (other than cheeses) | | | | | 2 | 7 | 3 | 0 |
| | Cheese | 1 | 35 | 4 | 0 | | | | |

| Causative agent | Food vehicle | Outbreak strength | | | | | | | |
|---|---|-------------------|---------------|----------------|----------|-------------|---------------|----------------|----------|
| | | Strong | | | | Weak | | | |
| | | N outbreaks | N human cases | N hospitalized | N deaths | N outbreaks | N human cases | N hospitalized | N deaths |
| Salmonella spp., unspecified | Eggs and egg products | 28 | 231 | 27 | 0 | 43 | 200 | 49 | 1 |
| | Pig meat and products thereof | 1 | 2 | 1 | 0 | 1 | 19 | 0 | 0 |
| | Broiler meat (Gallus gallus) and products thereof | 1 | 2 | 0 | 0 | 2 | 13 | 6 | 0 |
| | Fish and fish products | 2 | 18 | 1 | 0 | | | | |
| | Crustaceans, shellfish, molluscs and products thereof | 3 | 14 | 3 | 0 | 2 | 10 | 0 | 0 |
| | Vegetables and juices and other products thereof | | | | | 1 | 4 | 0 | 0 |
| | Bakery products | 1 | 2 | 0 | 0 | | | | |
| | Other foods | | | | | 3 | 17 | 0 | 0 |
| | Mixed food | 6 | 32 | 6 | 0 | 13 | 51 | 2 | 0 |
| | Buffet meals | | | | | 1 | 13 | 1 | 0 |
| | Unknown | | | | | 29 | 150 | 15 | 0 |
| | Meat and meat products | 2 | 8 | 1 | 0 | 4 | 12 | 0 | 0 |
| | Snails | 1 | 2 | 2 | 0 | | | | |
| | Other processed food products and prepared dishes - meat based dishes | 2 | 7 | 3 | 0 | | | | |
| | Other processed food products and prepared dishes - fish and seafood based dishes | 1 | 2 | 2 | 0 | | | | |
| Sauce and dressings | 1 | 2 | 2 | 0 | | | | | |
| Salmonella Typhi | Unknown | | | | | 1 | 2 | 0 | 0 |
| | Meat and meat products | | | | | 1 | 5 | 4 | 0 |
| Salmonella Typhimurium | Eggs and egg products | 1 | 5 | 3 | 0 | 2 | 9 | 0 | 0 |
| | Cereal products including rice and seeds/pulses (nuts, almonds) | 1 | 2 | 0 | 0 | | | | |
| | Unknown | | | | | 4 | 14 | 0 | 0 |
| | Sauce and dressings | | | | | 1 | 4 | 0 | 0 |
| Salmonella Typhimurium, monophasic | Meat and meat products | 1 | 4 | 2 | 0 | | | | |
| | Chocolate | 1 | 3 | 0 | 0 | | | | |
| Salmonella Virchow | Mixed food | 1 | 2 | 0 | 0 | | | | |
| Shiga toxin-producing Escherichia coli (STEC) | Mixed food | | | | | 1 | 4 | 0 | 0 |
| | Unknown | | | | | 1 | 2 | 0 | 0 |
| Shigella flexneri | Mixed food | | | | | 1 | 4 | 0 | 0 |
| | Unknown | | | | | 1 | 3 | 1 | 0 |
| Shigella sonnei | Unknown | | | | | 4 | 10 | 0 | 0 |
| Shigella spp., unspecified | Cheese | 1 | 8 | 0 | 0 | | | | |
| | Fruit, berries and juices and other products thereof | | | | | 1 | 2 | 0 | 0 |
| | Tap water, including well water | | | | | 1 | 3 | 0 | 0 |
| Staphylococcal enterotoxins | Milk | 1 | 6 | 1 | 0 | | | | |
| | Eggs and egg products | 4 | 160 | 0 | 0 | 1 | 15 | 0 | 0 |
| | Pig meat and products thereof | 2 | 20 | 0 | 0 | 1 | 4 | 0 | 0 |
| | Fish and fish products | | | | | 2 | 8 | 0 | 0 |
| | Vegetables and juices and other products thereof | 2 | 38 | 0 | 0 | | | | |
| | Other foods | | | | | 1 | 3 | 0 | 0 |

| Causative agent | Food vehicle | Outbreak strenght | | Strong | | | | Weak | | | |
|------------------------------|--|-------------------|---------------|--------------|----------|-------------|---------------|--------------|----------|---|--|
| | | N outbreaks | N human cases | N | | N outbreaks | N human cases | N | | | |
| | | | | hospitalized | N deaths | | | hospitalized | N deaths | | |
| Staphylococcal enterotoxins | Mixed food | 1 | 42 | 0 | 0 | | | | | | |
| | Unknown | | | | | 2 | 37 | 0 | 0 | | |
| | Meat and meat products | 1 | 7 | 0 | 0 | | | | | | |
| | Bakery products - pastry | | | | | 1 | 12 | 0 | 0 | | |
| | Other processed food products and prepared dishes - rice based dishes | 1 | 32 | 0 | 0 | | | | | | |
| | Other processed food products and prepared dishes - pasta - filled pasta | 1 | 4 | 0 | 0 | | | | | | |
| STEC O157 | Meat and meat products | | | | | 1 | 2 | 2 | 0 | | |
| Trichinella, unspecified sp. | Meat and meat products | | | | | 1 | 3 | 0 | 0 | | |
| Unknown | Dairy products (other than cheeses) | | | | | 4 | 19 | 0 | 0 | | |
| | Cheese | 3 | 15 | 1 | 0 | 1 | 9 | 0 | 0 | | |
| | Eggs and egg products | 10 | 151 | 1 | 0 | 19 | 113 | 4 | 0 | | |
| | Pig meat and products thereof | 1 | 39 | 0 | 0 | 1 | 12 | 0 | 0 | | |
| | Broiler meat (Gallus gallus) and products thereof | 1 | 2 | 0 | 0 | 3 | 49 | 1 | 0 | | |
| | Other, mixed or unspecified poultry meat and products thereof | 2 | 63 | 0 | 0 | 3 | 46 | 0 | 0 | | |
| | Fish and fish products | 5 | 18 | 0 | 0 | 7 | 27 | 0 | 0 | | |
| | Crustaceans, shellfish, molluscs and products thereof | 4 | 16 | 0 | 0 | 8 | 73 | 0 | 0 | | |
| | Vegetables and juices and other products thereof | 2 | 83 | 0 | 0 | 2 | 5 | 0 | 0 | | |
| | Cereal products including rice and seeds/pulses (nuts, almonds) | | | | | 1 | 2 | 0 | 0 | | |
| | Tap water, including well water | | | | | 3 | 106 | 0 | 0 | | |
| | Bakery products | 1 | 2 | 0 | 0 | 2 | 7 | 0 | 0 | | |
| | Other foods | 3 | 133 | 0 | 0 | 17 | 155 | 5 | 0 | | |
| | Mixed food | 13 | 239 | 7 | 2 | 17 | 109 | 0 | 0 | | |
| | Unknown | | | | | 43 | 1,133 | 9 | 0 | | |
| | Meat and meat products | 2 | 6 | 0 | 0 | 13 | 151 | 0 | 0 | | |
| | Other processed food products and prepared dishes - pasta based dishes | 2 | 12 | 0 | 0 | | | | | | |
| | Sauce and dressings | | | | | 5 | 33 | 0 | 0 | | |
| | Confectionery products and pastes - chocolate-based product | 1 | 13 | 0 | 0 | | | | | | |
| | Unspecified | Cheese | 1 | 4 | 0 | 0 | 1 | 3 | 0 | 0 | |
| Mixed food | | | | | | 1 | 32 | 0 | 0 | | |
| Unknown | | | | | | 2 | 6 | 0 | 0 | | |
| Yersinia | Live bivalve molluscs - oysters | | | | | 1 | 4 | 0 | 0 | | |
| Yersinia enterocolitica | Unknown | | | | | 1 | 2 | 0 | 0 | | |

Strong Foodborne Outbreaks: detailed data

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N outbreaks | N human cases | N hosp. | N deaths |
|--------------------------------|---------------|---------------|---------------|-----------------------|---------------|---------------|---|------------------------|---|---|---|------------------------|--|---------|-------------|---------------|---------|----------|
| Bacillus cereus | Not Available | Not Available | Not Available | Not Available | 2022-201 | General | Vegetables and juices and other products thereof | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans | Residential institution (nursing home or prison or boarding school) | Residential institution (nursing home or prison or boarding school) | Unknown | Unknown;Storage time/temperature abuse | N_A | 1 | 24 | 0 | 0 |
| | | | | | 2022-204 | General | Vegetables and juices and other products thereof | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans | School or kindergarten | School or kindergarten | Unknown | Unknown | N_A | 1 | 140 | 0 | 0 |
| | | | | | 2022-291 | General | Broiler meat (Gallus gallus) and products thereof | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans;Descriptive epidemiological evidence | School or kindergarten | Unknown | Unknown | Unknown | N_A | 1 | 104 | 0 | 0 |
| | | | | | 2022-321 | Household | Mixed food | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans | Domestic premises | Unknown | Unknown | Unknown | N_A | 1 | 5 | 0 | 0 |
| Campylobacter, unspecified sp. | Not Available | Not Available | Not Available | Not Available | 2022-312 | General | Broiler meat (Gallus gallus) and products thereof | N_A | Descriptive epidemiological evidence | Camp or picnic | Unknown | Unknown | Unknown | N_A | 1 | 21 | 0 | 0 |
| Clostridium botulinum | Not Available | Not Available | Not Available | Not Available | 2022-324 | Household | Vegetables and juices and other products thereof | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans | Domestic premises | Unknown | Unknown | Unknown | N_A | 1 | 3 | 3 | 0 |

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N outbreaks | N | | |
|-------------------------|---------------|---------------|---------------|-----------------------|---------------|---------------|---|------------------------|---|---|---|------------------------|--|---------|-------------|-------------|-------|--------|
| | | | | | | | | | | | | | | | | human cases | hosp. | deaths |
| Clostridium perfringens | Not Available | Not Available | Not Available | Not Available | 2022-200 | General | Eggs and egg products | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans | Residential institution (nursing home or prison or boarding school) | Residential institution (nursing home or prison or boarding school) | Unknown | Storage time/temperature abuse;Inadequate chilling | N_A | 1 | 40 | 0 | 0 |
| | | | | | 2022-203 | General | Meat and meat products | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans | Residential institution (nursing home or prison or boarding school) | Residential institution (nursing home or prison or boarding school) | Unknown | Storage time/temperature abuse;Inadequate chilling | N_A | 1 | 35 | 0 | 0 |
| | | | | | 2022-205 | General | Other foods | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans;Descriptive epidemiological evidence | School or kindergarten | School or kindergarten | Unknown | Inadequate chilling | N_A | 1 | 266 | 0 | 0 |
| | | | | | 2022-206 | General | Meat and meat products | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans | School or kindergarten | School or kindergarten | Unknown | Unknown | N_A | 1 | 101 | 0 | 0 |
| | | | | | 2022-228 | General | Other, mixed or unspecified poultry meat and products thereof | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | N_A | 1 | 4 | 0 | 0 |
| | | | | | 2022-238 | General | Pig meat and products thereof | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans;Descriptive epidemiological evidence | Unknown | Unknown | Unknown | Unknown | N_A | 1 | 176 | 0 | 0 |

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N outbreaks | N | | |
|---------------------------------|---------------|---------------|---------------|-----------------------|---------------|---------------|--|------------------------|--|---|----------------------------|------------------------|----------------------|---------|-------------|-------------|---------|--------|
| | | | | | | | | | | | | | | | | human cases | N hosp. | deaths |
| Clostridium perfringens | Not Available | Not Available | Not Available | Not Available | 2022-276 | General | Bakery products | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-292 | General | Other processed food products and prepared dishes - pasta - filled pasta | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans; Descriptive epidemiological evidence | Residential institution (nursing home or prison or boarding school) | Unknown | Unknown | Unknown | N_A | 1 | 22 | 0 | 0 |
| | | | | | 2022-315 | General | Meat and meat products | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | N_A | 1 | 75 | 0 | 0 |
| | | | | | 2022-320 | General | Meat and meat products | N_A | Descriptive epidemiological evidence | School or kindergarten | Unknown | Unknown | Unknown | N_A | 1 | 157 | 0 | 0 |
| Enteropathogenic E. coli (EPEC) | Not Available | Not Available | Not Available | Not Available | 2022-211 | Household | Cheese | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans | Domestic premises | Retail | Spain | Unknown | N_A | 1 | 3 | 0 | 0 |
| Enterotoxigenic E. coli (ETEC) | Not Available | Not Available | Not Available | Not Available | 2022-269 | General | Tap water, including well water | N_A | Descriptive epidemiological evidence | Others | Unknown | Unknown | Unknown | N_A | 1 | 2 | 0 | 0 |
| Histamine | Not Available | Not Available | Not Available | Not Available | 2022-184 | Household | Fish and fish products | N_A | Descriptive epidemiological evidence | Domestic premises | Domestic premises | Unknown | Unknown | N_A | 1 | 4 | 0 | 0 |
| | | | | | 2022-259 | General | Fish and fish products | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans; Descriptive epidemiological evidence | School or kindergarten | Unknown | Unknown | Unknown | N_A | 1 | 21 | 0 | 0 |

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N | N | N | N |
|------------------------|---------------|---------------|---------------|-----------------------|---------------|---------------|------------------------|------------------------|---|---|---|------------------------|----------------------|---------|-----------|-------------|-------|--------|
| | | | | | | | | | | | | | | | outbreaks | human cases | hosp. | deaths |
| Histamine | Not Available | Not Available | Not Available | Not Available | 2022-273 | Household | Fish and fish products | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans;Descriptive epidemiological evidence | Domestic premises | Unknown | Unknown | Unknown | N_A | 1 | 4 | 0 | 0 |
| | | | | | 2022-289 | General | Fish and fish products | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | N_A | 7 | 20 | 0 | 0 |
| | | | | | 2022-294 | General | Fish and fish products | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Inadequate chilling | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-314 | General | Fish and fish products | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans;Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | N_A | 3 | 13 | 0 | 0 |
| | | | | | 2022-326 | General | Fish and fish products | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans;Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Inadequate chilling | N_A | 1 | 7 | 0 | 0 |
| Listeria monocytogenes | Not Available | Not Available | Not Available | Not Available | 2022-271 | General | Mixed food | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans;Descriptive epidemiological evidence | Camp or picnic | Unknown | Unknown | Unknown | N_A | 1 | 19 | 0 | 0 |
| Marine biotoxins | Not Available | Not Available | Not Available | Not Available | 2022-214 | General | Fish and fish products | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | N_A | 1 | 2 | 0 | 0 |

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N outbreaks | N | | |
|-------------------------------|---------------|---------------|---------------|-----------------------|---------------|---------------|--|------------------------|--|---|---|------------------------|----------------------|---------|-------------|-------------|---------|----------|
| | | | | | | | | | | | | | | | | human cases | N hosp. | N deaths |
| Marine biotoxins | Not Available | Not Available | Not Available | Not Available | 2022-235 | Household | Fish and fish products | N_A | Descriptive epidemiological evidence | Domestic premises | Mobile retailer or market/street vendor | Spain | Unknown | N_A | 1 | 4 | 0 | 0 |
| Marine biotoxins - ciguatoxin | Not Available | Not Available | Not Available | Not Available | 2022-210 | Household | Fish and fish products | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans | Domestic premises | Water source | Spain | Unknown | N_A | 1 | 5 | 1 | 0 |
| Mushroom toxins | Not Available | Not Available | Not Available | Not Available | 2022-192 | Household | Vegetables and juices and other products thereof | N_A | Descriptive epidemiological evidence | Domestic premises | Others | Unknown | Unknown | N_A | 1 | 2 | 2 | 1 |
| | | | | | 2022-325 | Household | Vegetables and juices and other products thereof | N_A | Descriptive epidemiological evidence | Domestic premises | Unknown | Unknown | Unknown | N_A | 1 | 3 | 1 | 0 |
| Norovirus | Not Available | Not Available | Not Available | Not Available | 2022-218 | General | Mixed food | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | N_A | 1 | 100 | 0 | 0 |
| | | | | | 2022-222 | General | Crustaceans, shellfish, molluscs and products thereof | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Not Available | N_A | 1 | 3 | 0 | 0 |
| | | | | | 2022-250 | General | Dairy products (excluding cheeses) - ice-cream | N_A | Descriptive epidemiological evidence | School or kindergarten | Unknown | Unknown | Unknown | N_A | 1 | 22 | 0 | 0 |
| | | | | | 2022-266 | Household | Crustaceans, shellfish, molluscs and products thereof | N_A | Descriptive epidemiological evidence | Domestic premises | Unknown | Unknown | Unknown | N_A | 1 | 3 | 0 | 0 |
| | | | | | 2022-267 | General | Mixed food | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | N_A | 1 | 15 | 0 | 0 |
| | | | | | 2022-268 | General | Mixed food | N_A | Descriptive epidemiological evidence | School or kindergarten | Unknown | Unknown | Unknown | N_A | 1 | 9 | 0 | 0 |
| | | | | | 2022-299 | General | Other processed food products and prepared dishes - sandwiches | N_A | Descriptive epidemiological evidence | Residential institution (nursing home or prison or boarding school) | Unknown | Unknown | Unknown | N_A | 1 | 30 | 0 | 0 |
| | | | | | 2022-319 | General | Mixed food | N_A | Descriptive epidemiological evidence | Residential institution (nursing home or prison or boarding school) | Unknown | Unknown | Unknown | N_A | 1 | 46 | 6 | 0 |

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N outbreaks | N | | |
|--|---------------|---------------|---------------|--------------------------------------|---|---------------|-------------------------|------------------------|--|---|---|------------------------|----------------------|---------|-------------|-------------|---------|----------|
| | | | | | | | | | | | | | | | | human cases | N hosp. | N deaths |
| Salmonella enterica, subspecies enterica | Not Available | Not Available | Not Available | Not Available | 2022-196 | General | Cheese | N_A | Descriptive epidemiological evidence | Others | Others | Spain | Unknown | N_A | 1 | 3 | 0 | 0 |
| | | | | | 2022-243 | Household | Eggs and egg products | N_A | Descriptive epidemiological evidence | Domestic premises | Unknown | Unknown | Unknown | N_A | 1 | 4 | 2 | 0 |
| | | | | | 2022-313 | General | Mixed food | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | N_A | 1 | 2 | 0 | 0 |
| Salmonella Enteritidis | Not Available | Not Available | Not Available | Not Available | 2022-187 | General | Bakery products | N_A | Descriptive epidemiological evidence | Others | Others | Unknown | Unknown | N_A | 1 | 38 | 3 | 0 |
| | | | | | 2022-189 | General | Bakery products - cakes | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans; Descriptive epidemiological evidence | Others | Others | Unknown | Unknown | N_A | 1 | 6 | 0 | 0 |
| | | | | | 2022-212 | General | Mixed food | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | N_A | 1 | 3 | 0 | 0 |
| | | | | | 2022-237 | Unknown | Other foods | N_A | Descriptive epidemiological evidence | Unknown | Unknown | Unknown | Unknown | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-245 | General | Eggs and egg products | N_A | Descriptive epidemiological evidence | Mobile retailer or market/street vendor | Unknown | Unknown | Unknown | N_A | 1 | 3 | 0 | 0 |
| | | | | | 2022-253 | General | Fish and fish products | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | N_A | 1 | 28 | 0 | 0 |
| | | | | | 2022-262 | Household | Mixed food | N_A | Descriptive epidemiological evidence | Domestic premises | Unknown | Unknown | Unknown | N_A | 1 | 5 | 2 | 0 |
| | | | | | 2022-263 | General | Bakery products - cakes | N_A | Descriptive epidemiological evidence | Others | Unknown | Unknown | Inadequate chilling | N_A | 1 | 7 | 1 | 0 |
| | | | | | 2022-277 | Household | Eggs and egg products | N_A | Descriptive epidemiological evidence | Domestic premises | Unknown | Unknown | Unknown | N_A | 1 | 4 | 0 | 0 |
| 2022-287 | General | Mixed food | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Inadequate chilling | N_A | 1 | 6 | 0 | 0 | | | | | |

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N outbreaks | N | | |
|------------------------------|---------------|---------------|---------------|-----------------------|---------------|---------------|---|------------------------|--|---|---|------------------------|--|---------|-------------|-------------|---------|----------|
| | | | | | | | | | | | | | | | | human cases | N hosp. | N deaths |
| Salmonella group B | Not Available | Not Available | Not Available | Not Available | 2022-261 | Unknown | Eggs and egg products | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans; Descriptive epidemiological evidence | Unknown | Unknown | Unknown | Unknown | N_A | 1 | 15 | 0 | 0 |
| Salmonella group D | Not Available | Not Available | Not Available | Not Available | 2022-221 | General | Mixed food | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | N_A | 1 | 10 | 0 | 0 |
| | | | | | 2022-293 | General | Eggs and egg products | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | N_A | 1 | 3 | 0 | 0 |
| Salmonella spp., unspecified | Not Available | Not Available | Not Available | Not Available | 2022-178 | Household | Eggs and egg products | N_A | Descriptive epidemiological evidence | Domestic premises | Domestic premises | Spain | Unknown | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-182 | Household | Eggs and egg products | N_A | Descriptive epidemiological evidence | Domestic premises | Domestic premises | Unknown | Unknown | N_A | 1 | 7 | 0 | 0 |
| | | | | | 2022-185 | General | Cheese | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans; Descriptive epidemiological evidence | Others | Others | Spain | Unknown | N_A | 1 | 35 | 4 | 0 |
| | | | | | 2022-198 | General | Eggs and egg products | N_A | Descriptive epidemiological evidence | Others | Others | Unknown | Unknown | N_A | 1 | 10 | 0 | 0 |
| | | | | | 2022-213 | General | Eggs and egg products | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Inadequate heat treatment; Inadequate chilling | N_A | 1 | 4 | 0 | 0 |
| | | | | | 2022-219 | General | Crustaceans, shellfish, molluscs and products thereof | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | N_A | 1 | 9 | 0 | 0 |
| | | | | | 2022-220 | General | Mixed food | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Spain | Unknown | N_A | 1 | 2 | 0 | 0 |

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N outbreaks | N | | | |
|------------------------------|---------------|------------------------|---------------|--------------------------------------|---|---------------|---|------------------------|---|---|---|------------------------|---|-----------------------------------|-------------|-------------|---------|----------|---|
| | | | | | | | | | | | | | | | | human cases | N hosp. | N deaths | |
| Salmonella spp., unspecified | Not Available | Not Available | Not Available | Not Available | 2022-226 | General | Mixed food | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | N_A | 1 | 10 | 0 | 0 | |
| | | | | | 2022-227 | General | Mixed food | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown;Storage time/temperature abuse | N_A | 1 | 4 | 0 | 0 | |
| | | | | | 2022-229 | General | Broiler meat (Gallus gallus) and products thereof | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Inadequate chilling | N_A | 1 | 2 | 0 | 0 | |
| | | | | | 2022-230 | General | Eggs and egg products | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans;Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Inadequate heat treatment;Inadequate chilling | N_A | 1 | 8 | 0 | 0 | |
| | | | | | 2022-241 | Household | Eggs and egg products | N_A | Descriptive epidemiological evidence | Domestic premises | Unknown | Unknown | Unknown | N_A | 10 | 47 | 9 | 0 | |
| | | | | | 2022-248 | Household | Sauce and dressings | N_A | Descriptive epidemiological evidence | Domestic premises | Unknown | Unknown | Unknown | N_A | 1 | 2 | 2 | 0 | |
| | | | | | 2022-255 | Household | Other processed food products and prepared dishes - meat based dishes | N_A | Descriptive epidemiological evidence | Domestic premises | Unknown | Unknown | Unknown | Unknown;Inadequate heat treatment | N_A | 1 | 3 | 2 | 0 |
| | | | | | 2022-256 | Household | Meat and meat products | N_A | Descriptive epidemiological evidence | Domestic premises | Unknown | Unknown | Unknown | N_A | 1 | 6 | 1 | 0 | |
| | | | | | 2022-265 | General | Bakery products | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | N_A | 1 | 2 | 0 | 0 | |
| | | | | | 2022-272 | General | Eggs and egg products | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | Unknown;Inadequate heat treatment | N_A | 2 | 29 | 5 | 0 |
| 2022-275 | General | Fish and fish products | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | N_A | 2 | 18 | 1 | 0 | | | | | | |

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N | N | N | N |
|------------------------------|---------------|-------------------------------|---------------|--------------------------------------|---|---------------|---|------------------------|--|---|----------------------------|------------------------|--|---------|-----------|-------------|-------|--------|
| | | | | | | | | | | | | | | | outbreaks | human cases | hosp. | deaths |
| Salmonella spp., unspecified | Not Available | Not Available | Not Available | Not Available | 2022-278 | General | Eggs and egg products | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Inadequate chilling | N_A | 1 | 2 | 1 | 0 |
| | | | | | 2022-280 | General | Eggs and egg products | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | N_A | 3 | 21 | 1 | 0 |
| | | | | | 2022-281 | General | Crustaceans, shellfish, molluscs and products thereof | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | N_A | 1 | 3 | 1 | 0 |
| | | | | | 2022-282 | General | Eggs and egg products | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans; Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | N_A | 1 | 2 | 1 | 0 |
| | | | | | 2022-283 | General | Mixed food | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | N_A | 1 | 6 | 0 | 0 |
| | | | | | 2022-284 | General | Eggs and egg products | N_A | Descriptive epidemiological evidence | Camp or picnic | Unknown | Unknown | Unknown | N_A | 1 | 19 | 0 | 0 |
| | | | | | 2022-285 | Unknown | Mixed food | N_A | Descriptive epidemiological evidence | Unknown | Unknown | Unknown | Unknown | N_A | 1 | 4 | 0 | 0 |
| | | | | | 2022-296 | Household | Mixed food | N_A | Descriptive epidemiological evidence | Domestic premises | Unknown | Unknown | Inadequate heat treatment; Inadequate chilling | N_A | 1 | 6 | 6 | 0 |
| | | | | | 2022-297 | General | Eggs and egg products | N_A | Descriptive epidemiological evidence | Mobile retailer or market/street vendor | Unknown | Unknown | Unknown | N_A | 1 | 7 | 1 | 0 |
| | | | | | 2022-298 | General | Eggs and egg products | N_A | Descriptive epidemiological evidence | Others | Unknown | Unknown | Unknown | N_A | 3 | 70 | 9 | 0 |
| 2022-306 | General | Pig meat and products thereof | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Inadequate chilling | N_A | 1 | 2 | 1 | 0 | | | | | |

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N outbreaks | N | | |
|------------------------------------|---------------|---------------|---------------|-----------------------|---------------|-------------------------------|---|------------------------|--|---|----------------------------|------------------------|--|---------|-------------|-------------|---------|----------|
| | | | | | | | | | | | | | | | | human cases | N hosp. | N deaths |
| Salmonella spp., unspecified | Not Available | Not Available | Not Available | Not Available | 2022-307 | General | Snails | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | N_A | 1 | 2 | 2 | 0 |
| | | | | | 2022-309 | General | Crustaceans, shellfish, molluscs and products thereof | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | N_A | 1 | 2 | 2 | 0 |
| | | | | | 2022-310 | General | Other processed food products and prepared dishes - fish and seafood based dishes | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | N_A | 1 | 2 | 2 | 0 |
| | | | | | 2022-317 | General | Other processed food products and prepared dishes - meat based dishes | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Inadequate chilling | N_A | 1 | 4 | 1 | 0 |
| | | | | | 2022-318 | General | Meat and meat products | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-323 | General | Eggs and egg products | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans | Camp or picnic | Unknown | Unknown | Unknown | N_A | 1 | 3 | 0 | 0 |
| Salmonella Typhimurium | Not Available | Not Available | Not Available | Not Available | 2022-180 | Household | Cereal products including rice and seeds/pulses (nuts, almonds) | N_A | Descriptive epidemiological evidence | Domestic premises | Domestic premises | Spain | Unknown | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-322 | General | Eggs and egg products | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | N_A | 1 | 5 | 3 | 0 |
| Salmonella Typhimurium, monophasic | Not Available | Not Available | Not Available | Not Available | 2022-194 | General | Meat and meat products | N_A | Descriptive epidemiological evidence | Others | Others | Unknown | Unknown;Storage time/temperature abuse | N_A | 1 | 4 | 2 | 0 |
| | | | | | 2022-328 | Part of multicountry outbreak | Chocolate | N_A | Detection of causative agent in food chain or its environment - Detection of indistinguishable causative agent in humans | Multiple places of exposure in more than one country | Unknown | Unknown | Unknown | N_A | 1 | 3 | 0 | 0 |

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N outbreaks | N | | |
|-----------------------------|---------------|---------------|---------------|-----------------------|---------------|---------------|-------------------------------|------------------------|--|---|---|------------------------|----------------------|---------|-------------|-------------|---------|----------|
| | | | | | | | | | | | | | | | | human cases | N hosp. | N deaths |
| Salmonella Virchow | Not Available | Not Available | Not Available | Not Available | 2022-232 | General | Mixed food | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | N_A | 1 | 2 | 0 | 0 |
| Shigella spp., unspecified | Not Available | Not Available | Not Available | Not Available | 2022-302 | Household | Cheese | N_A | Descriptive epidemiological evidence | Domestic premises | Unknown | Unknown | Unknown | N_A | 1 | 8 | 0 | 0 |
| Staphylococcal enterotoxins | Not Available | Not Available | Not Available | Not Available | 2022-199 | General | Eggs and egg products | N_A | Descriptive epidemiological evidence | Residential institution (nursing home or prison or boarding school) | Residential institution (nursing home or prison or boarding school) | Unknown | Unknown | N_A | 1 | 23 | 0 | 0 |
| | | | | | 2022-202 | General | Eggs and egg products | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans | Residential institution (nursing home or prison or boarding school) | Residential institution (nursing home or prison or boarding school) | Unknown | Unknown | N_A | 1 | 119 | 0 | 0 |
| | | | | | 2022-209 | General | Pig meat and products thereof | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans | School or kindergarten | School or kindergarten | Unknown | Unknown | N_A | 1 | 7 | 0 | 0 |
| | | | | | 2022-216 | General | Pig meat and products thereof | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans | Others | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | N_A | 1 | 13 | 0 | 0 |
| | | | | | 2022-224 | General | Eggs and egg products | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | N_A | 2 | 18 | 0 | 0 |
| | | | | | 2022-225 | General | Meat and meat products | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Spain | Unknown | N_A | 1 | 7 | 0 | 0 |
| | | | | | 2022-239 | General | Milk | N_A | Descriptive epidemiological evidence | School or kindergarten | Unknown | Unknown | Unknown | N_A | 1 | 6 | 1 | 0 |

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N outbreaks | N human cases | N hosp. | N deaths | |
|-----------------------------|---------------|---------------|---------------|-----------------------|---------------|---------------|--|------------------------|---|---|----------------------------|------------------------|----------------------|---------|-------------|---------------|---------|----------|---|
| | | | | | | | | | | | | | | | | | | | |
| Staphylococcal enterotoxins | Not Available | Not Available | Not Available | Not Available | 2022-286 | Unknown | Vegetables and juices and other products thereof | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans;Descriptive epidemiological evidence | Unknown | Unknown | Unknown | Unknown | N_A | 1 | 15 | 0 | 0 | |
| | | | | | 2022-295 | General | Other processed food products and prepared dishes - pasta - filled pasta | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | Unknown | N_A | 1 | 4 | 0 | 0 |
| | | | | | 2022-300 | General | Vegetables and juices and other products thereof | N_A | Descriptive epidemiological evidence | Hospital or medical care facility | Unknown | Unknown | Unknown | Unknown | N_A | 1 | 23 | 0 | 0 |
| | | | | | 2022-301 | General | Other processed food products and prepared dishes - rice based dishes | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans;Descriptive epidemiological evidence | Not Available | Unknown | Unknown | Unknown | Unknown | N_A | 1 | 32 | 0 | 0 |
| | | | | | 2022-304 | General | Mixed food | N_A | Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans;Descriptive epidemiological evidence | Camp or picnic | Unknown | Unknown | Unknown | Unknown | N_A | 1 | 42 | 0 | 0 |
| Unknown | Not Available | Not Available | Not Available | Not Available | 2022-179 | Household | Mixed food | N_A | Descriptive epidemiological evidence | Domestic premises | Domestic premises | Unknown | Unknown | N_A | 2 | 7 | 0 | 0 | |
| | | | | | 2022-181 | Household | Crustaceans, shellfish, molluscs and products thereof | N_A | Descriptive epidemiological evidence | Domestic premises | Domestic premises | Spain | Unknown | N_A | 1 | 2 | 0 | 0 | |
| | | | | | 2022-183 | Household | Meat and meat products | N_A | Descriptive epidemiological evidence | Domestic premises | Domestic premises | Unknown | Unknown | N_A | 1 | 4 | 0 | 0 | |
| | | | | | 2022-186 | General | Other foods | N_A | Descriptive epidemiological evidence | Others | Others | Unknown | Unknown | N_A | 1 | 32 | 0 | 0 | |
| | | | | | 2022-188 | General | Eggs and egg products | N_A | Descriptive epidemiological evidence | Others | Others | Unknown | Unknown | N_A | 1 | 6 | 0 | 0 | |
| | | | | | 2022-190 | Household | Eggs and egg products | N_A | Descriptive epidemiological evidence | Domestic premises | Others | Spain | Unknown | N_A | 1 | 2 | 0 | 0 | |

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N | N | N | N |
|-----------------|---------------|---------------|---------------|-----------------------|---------------|---------------|---|------------------------|--------------------------------------|---|---|------------------------|----------------------|---------|-----------|-------------|-------|--------|
| | | | | | | | | | | | | | | | outbreaks | human cases | hosp. | deaths |
| Unknown | Not Available | Not Available | Not Available | Not Available | 2022-191 | Household | Cheese | N_A | Descriptive epidemiological evidence | Domestic premises | Others | Spain | Unknown | N_A | 2 | 8 | 1 | 0 |
| | | | | | 2022-195 | General | Mixed food | N_A | Descriptive epidemiological evidence | Others | Others | Spain | Unknown | N_A | 1 | 10 | 0 | 0 |
| | | | | | 2022-197 | General | Eggs and egg products | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Others | Unknown | Unknown | N_A | 1 | 101 | 0 | 0 |
| | | | | | 2022-207 | General | Other, mixed or unspecified poultry meat and products thereof | N_A | Descriptive epidemiological evidence | School or kindergarten | School or kindergarten | Unknown | Inadequate chilling | N_A | 1 | 61 | 0 | 0 |
| | | | | | 2022-208 | General | Fish and fish products | N_A | Descriptive epidemiological evidence | School or kindergarten | School or kindergarten | Unknown | Inadequate chilling | N_A | 1 | 6 | 0 | 0 |
| | | | | | 2022-215 | General | Mixed food | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Spain | Unknown | N_A | 1 | 3 | 0 | 0 |
| | | | | | 2022-217 | General | Crustaceans, shellfish, molluscs and products thereof | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | N_A | 1 | 4 | 0 | 0 |
| | | | | | 2022-223 | General | Eggs and egg products | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | N_A | 1 | 3 | 0 | 0 |
| | | | | | 2022-231 | General | Fish and fish products | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-233 | Household | Vegetables and juices and other products thereof | N_A | Descriptive epidemiological evidence | Domestic premises | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | N_A | 1 | 3 | 0 | 0 |
| | | | | | 2022-234 | General | Eggs and egg products | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Spain | Unknown | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-236 | General | Mixed food | N_A | Descriptive epidemiological evidence | Residential institution (nursing home or prison or boarding school) | Unknown | Unknown | Unknown | N_A | 4 | 182 | 7 | 2 |
| | | | | | 2022-240 | General | Meat and meat products | N_A | Descriptive epidemiological evidence | Others | Unknown | Unknown | Unknown | N_A | 1 | 2 | 0 | 0 |

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N outbreaks | N human cases | N hosp. | N deaths |
|-----------------|---------------|---------------|---------------|-----------------------|---------------|---------------|--|------------------------|--------------------------------------|---|----------------------------|------------------------|--|---------|-------------|---------------|---------|----------|
| | | | | | | | | | | | | | | | | | | |
| Unknown | Not Available | Not Available | Not Available | Not Available | 2022-242 | Household | Other processed food products and prepared dishes - pasta based dishes | N_A | Descriptive epidemiological evidence | Domestic premises | Unknown | Unknown | Unknown | N_A | 1 | 7 | 0 | 0 |
| | | | | | 2022-244 | General | Vegetables and juices and other products thereof | N_A | Descriptive epidemiological evidence | School or kindergarten | Unknown | Unknown | Unknown | N_A | 1 | 80 | 0 | 0 |
| | | | | | 2022-246 | General | Mixed food | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | N_A | 3 | 13 | 0 | 0 |
| | | | | | 2022-247 | General | Other, mixed or unspecified poultry meat and products thereof | N_A | Descriptive epidemiological evidence | Others | Unknown | Unknown | Unknown | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-249 | General | Other foods | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | N_A | 1 | 59 | 0 | 0 |
| | | | | | 2022-251 | Unknown | Other foods | N_A | Descriptive epidemiological evidence | Unknown | Unknown | Unknown | Unknown | N_A | 1 | 42 | 0 | 0 |
| | | | | | 2022-252 | General | Bakery products | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-254 | General | Eggs and egg products | N_A | Descriptive epidemiological evidence | Camp or picnic | Unknown | Unknown | Unknown | N_A | 1 | 6 | 0 | 0 |
| | | | | | 2022-257 | General | Crustaceans, shellfish, molluscs and products thereof | N_A | Descriptive epidemiological evidence | Mobile retailer or market/street vendor | Unknown | Unknown | Unknown | N_A | 1 | 6 | 0 | 0 |
| | | | | | 2022-258 | General | Mixed food | N_A | Descriptive epidemiological evidence | Others | Unknown | Unknown | Unknown;Storage time/temperature abuse | N_A | 1 | 19 | 0 | 0 |
| | | | | | 2022-260 | General | Broiler meat (Gallus gallus) and products thereof | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-264 | General | Pig meat and products thereof | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | N_A | 1 | 39 | 0 | 0 |
| | | | | | 2022-270 | Unknown | Fish and fish products | N_A | Descriptive epidemiological evidence | Unknown | Unknown | Unknown | Unknown | N_A | 1 | 4 | 0 | 0 |
| | | | | | 2022-274 | General | Other processed food products and prepared dishes - pasta based dishes | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | N_A | 1 | 5 | 0 | 0 |

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N outbreaks | N | | |
|-----------------|---------------|---|---------------|--------------------------------------|-------------------|---------------|---|------------------------|--------------------------------------|---|----------------------------|------------------------|----------------------|---------|-------------|-------------|---------|----------|
| | | | | | | | | | | | | | | | | human cases | N hosp. | N deaths |
| Unknown | Not Available | Not Available | Not Available | Not Available | 2022-279 | Unknown | Confectionery products and pastes - chocolate-based product | N_A | Descriptive epidemiological evidence | Unknown | Unknown | Unknown | Unknown | N_A | 1 | 13 | 0 | 0 |
| | | | | | 2022-288 | General | Cheese | N_A | Descriptive epidemiological evidence | Camp or picnic | Unknown | Spain | Unknown | N_A | 1 | 7 | 0 | 0 |
| | | | | | 2022-290 | Household | Fish and fish products | N_A | Descriptive epidemiological evidence | Domestic premises | Unknown | Unknown | Unknown | N_A | 1 | 4 | 0 | 0 |
| | | | | | 2022-303 | General | Mixed food | N_A | Descriptive epidemiological evidence | Camp or picnic | Unknown | Unknown | Unknown | N_A | 1 | 5 | 0 | 0 |
| | | | | | 2022-305 | General | Eggs and egg products | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Unknown | Unknown | N_A | 2 | 23 | 0 | 0 |
| | | | | | 2022-308 | Unknown | Eggs and egg products | N_A | Descriptive epidemiological evidence | Unknown | Unknown | Unknown | Unknown | N_A | 1 | 6 | 0 | 0 |
| | | | | | 2022-311 | Household | Eggs and egg products | N_A | Descriptive epidemiological evidence | Domestic premises | Unknown | Unknown | Unknown | N_A | 1 | 2 | 1 | 0 |
| | | | | | 2022-316 | General | Fish and fish products | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Unknown | Spain | Unknown | N_A | 1 | 2 | 0 | 0 |
| 2022-327 | Household | Crustaceans, shellfish, molluscs and products thereof | N_A | Descriptive epidemiological evidence | Domestic premises | Unknown | Unknown | Unknown | N_A | 1 | 4 | 0 | 0 | | | | | |
| Unspecified | Not Available | Not Available | Not Available | Not Available | 2022-193 | General | Cheese | N_A | Descriptive epidemiological evidence | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Others | Spain | Unknown | N_A | 1 | 4 | 0 | 0 |

Weak Foodborne Outbreaks: detailed data

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N outbreaks | N human cases | N hosp. | N deaths |
|----------------------|---------------|---------------|---------------|-----------------------|---------------|---------------|---|------------------------|--------------------|---|----------------------------|------------------------|----------------------|---------|-------------|---------------|---------|----------|
| Aeromonas caviae | Not Available | Not Available | Not Available | Not Available | 2022-157 | General | Unknown | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 5 | 0 | 0 |
| Bacillus cereus | Not Available | Not Available | Not Available | Not Available | 2022-011 | General | Unknown | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 5 | 0 | 0 |
| | | | | | 2022-055 | General | Unknown | N_A | Unknown | Not Available | Not Available | Not Available | Not Available | N_A | 1 | 17 | 0 | 0 |
| | | | | | 2022-094 | General | Cereal products including rice and seeds/pulses (nuts, almonds) | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 2 | 7 | 1 | 0 |
| Campylobacter coli | Not Available | Not Available | Not Available | Not Available | 2022-048 | General | Unknown | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 3 | 0 | 0 |
| | | | | | 2022-107 | Household | Eggs and egg products | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-161 | General | Broiler meat (Gallus gallus) and products thereof | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 3 | 0 | 0 |
| Campylobacter jejuni | Not Available | Not Available | Not Available | Not Available | 2022-009 | Unknown | Unknown | N_A | Unknown | Unknown | Not Available | Not Available | Not Available | N_A | 2 | 5 | 0 | 0 |
| | | | | | 2022-019 | General | Unknown | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 2 | 8 | 0 | 0 |
| | | | | | 2022-021 | General | Meat and meat products | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-037 | Household | Unknown | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 7 | 21 | 1 | 0 |
| | | | | | 2022-043 | General | Unknown | N_A | Unknown | Others | Not Available | Not Available | Not Available | N_A | 2 | 12 | 0 | 0 |
| | | | | | 2022-052 | General | Other, mixed or unspecified poultry meat and products thereof | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 9 | 0 | 0 |
| | | | | | 2022-104 | General | Tap water, including well water | N_A | Unknown | Others | Not Available | Not Available | Not Available | N_A | 1 | 5 | 0 | 0 |

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N outbreaks | N | | |
|--------------------------------|---------------|---------------|---------------|-----------------------|---------------|---------------|---|------------------------|--------------------|---|----------------------------|------------------------|----------------------|---------|-------------|-------------|-------|--------|
| | | | | | | | | | | | | | | | | human cases | hosp. | deaths |
| Campylobacter jejuni | Not Available | Not Available | Not Available | Not Available | 2022-116 | General | Meat and meat products | N_A | Unknown | Others | Not Available | Not Available | Not Available | N_A | 1 | 4 | 2 | 0 |
| | | | | | 2022-120 | Household | Other foods | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-153 | Unknown | Broiler meat (Gallus gallus) and products thereof | N_A | Unknown | Unknown | Not Available | Not Available | Not Available | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-166 | General | Broiler meat (Gallus gallus) and products thereof | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 2 | 0 | 0 |
| Campylobacter, unspecified sp. | Not Available | Not Available | Not Available | Not Available | 2022-113 | General | Other, mixed or unspecified poultry meat and products thereof | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-127 | General | Unknown | N_A | Unknown | Camp or picnic | Not Available | Not Available | Not Available | N_A | 1 | 5 | 0 | 0 |
| | | | | | 2022-143 | General | Unknown | N_A | Unknown | School or kindergarten | Not Available | Not Available | Not Available | N_A | 1 | 17 | 0 | 0 |
| Clostridium perfringens | Not Available | Not Available | Not Available | Not Available | 2022-030 | General | Unknown | N_A | Unknown | School or kindergarten | Not Available | Not Available | Not Available | N_A | 1 | 22 | 0 | 0 |
| | | | | | 2022-103 | General | Cereal products including rice and seeds/pulses (nuts, almonds) | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 21 | 0 | 0 |
| | | | | | 2022-105 | General | Other, mixed or unspecified poultry meat and products thereof | N_A | Unknown | Residential institution (nursing home or prison or boarding school) | Not Available | Not Available | Not Available | N_A | 1 | 20 | 0 | 0 |
| | | | | | 2022-119 | Household | Crustaceans, shellfish, molluscs and products thereof | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-164 | General | Meat and meat products | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 2 | 13 | 0 | 0 |
| Enterococcus | Not Available | Not Available | Not Available | Not Available | 2022-101 | General | Tap water, including well water | N_A | Unknown | Camp or picnic | Not Available | Not Available | Not Available | N_A | 1 | 6 | 1 | 0 |
| Enteroinvasive E. coli (EIEC) | Not Available | Not Available | Not Available | Not Available | 2022-093 | Household | Unknown | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 4 | 1 | 0 |
| Escherichia coli | Not Available | Not Available | Not Available | Not Available | 2022-092 | General | Unknown | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 16 | 0 | 0 |

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N outbreaks | N | | |
|------------------------|---------------|---------------|---------------|-----------------------|-------------------|---------------|---|------------------------|--------------------|---|----------------------------|------------------------|----------------------|---------|-------------|-------------|-------|--------|
| | | | | | | | | | | | | | | | | human cases | hosp. | deaths |
| Escherichia coli | Not Available | Not Available | Not Available | Not Available | 2022-131 | General | Tap water, including well water | N_A | Unknown | Residential institution (nursing home or prison or boarding school) | Not Available | Not Available | Not Available | N_A | 1 | 54 | 0 | 0 |
| | | | | | 2022-138 | General | Unknown | N_A | Unknown | Residential institution (nursing home or prison or boarding school) | Not Available | Not Available | Not Available | N_A | 2 | 49 | 0 | 0 |
| Histamine | Not Available | Not Available | Not Available | Not Available | 2022-109 | General | Fish and fish products | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 4 | 9 | 0 | 0 |
| Listeria monocytogenes | Not Available | Not Available | Not Available | Not Available | 2022-099 | Unknown | Unknown | N_A | Unknown | Unknown | Not Available | Not Available | Not Available | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-151 | Household | Other, mixed or unspecified poultry meat and products thereof | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 3 | 0 | 0 |
| Marine biotoxins | Not Available | Not Available | Not Available | Not Available | 2022-076 | Household | Fish and fish products | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-090 | General | Other foods | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 12 | 1 | 0 |
| | | | | | 2022-158 | General | Fish and fish products | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 4 | 10 | 0 | 0 |
| Mushroom toxins | Not Available | Not Available | Not Available | Not Available | 2022-172 | Household | Vegetables and juices and other products thereof | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 6 | 4 | 0 |
| Norovirus | Not Available | Not Available | Not Available | Not Available | 2022-018 | General | Unknown | N_A | Unknown | Camp or picnic | Not Available | Not Available | Not Available | N_A | 3 | 138 | 0 | 0 |
| | | | | | 2022-024 | General | Crustaceans, shellfish, molluscs and products thereof | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 7 | 0 | 0 |
| | | | | | 2022-061 | General | Unknown | N_A | Unknown | School or kindergarten | Not Available | Not Available | Not Available | N_A | 2 | 120 | 0 | 0 |
| | | | | | 2022-087 | General | Mixed food | N_A | Unknown | Others | Not Available | Not Available | Not Available | N_A | 1 | 15 | 0 | 0 |
| | | | | | 2022-102 | General | Mixed food | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 4 | 60 | 1 | 0 |
| 2022-129 | Household | Unknown | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 5 | 0 | 0 | | | | | |

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N outbreaks | N | | |
|--|---------------|---------------|---------------|-----------------------|---|---------------|---|------------------------|--------------------|---|----------------------------|------------------------|----------------------|---------|-------------|-------------|-------|--------|
| | | | | | | | | | | | | | | | | human cases | hosp. | deaths |
| Norovirus | Not Available | Not Available | Not Available | Not Available | 2022-141 | General | Unknown | N_A | Unknown | Multiple places of exposure in one country | Not Available | Not Available | Not Available | N_A | 2 | 261 | 0 | 0 |
| | | | | | 2022-149 | General | Unknown | N_A | Unknown | Residential institution (nursing home or prison or boarding school) | Not Available | Not Available | Not Available | N_A | 3 | 44 | 0 | 0 |
| | | | | | 2022-171 | General | Unknown | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 6 | 51 | 0 | 0 |
| Salmonella enterica, subspecies enterica | Not Available | Not Available | Not Available | Not Available | 2022-056 | Household | Mixed food | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 2 | 5 | 0 | 0 |
| | | | | | 2022-077 | General | Mixed food | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 2 | 19 | 3 | 0 |
| Salmonella Enteritidis | Not Available | Not Available | Not Available | Not Available | 2022-003 | Household | Mixed food | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 3 | 6 | 1 | 0 |
| | | | | | 2022-005 | General | Unknown | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 7 | 28 | 1 | 0 |
| | | | | | 2022-022 | Household | Eggs and egg products | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 4 | 13 | 5 | 0 |
| | | | | | 2022-038 | General | Unknown | N_A | Unknown | Multiple places of exposure in one country | Not Available | Not Available | Not Available | N_A | 1 | 8 | 1 | 0 |
| | | | | | 2022-081 | Household | Bakery products | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 5 | 0 | 0 |
| | | | | | 2022-082 | General | Unknown | N_A | Unknown | School or kindergarten | Not Available | Not Available | Not Available | N_A | 1 | 4 | 0 | 0 |
| | | | | | 2022-095 | General | Unknown | N_A | Unknown | Camp or picnic | Not Available | Not Available | Not Available | N_A | 2 | 4 | 2 | 0 |
| | | | | | 2022-118 | General | Broiler meat (Gallus gallus) and products thereof | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-135 | Household | Unknown | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 8 | 21 | 6 | 0 |
| 2022-136 | General | Mixed food | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 2 | 6 | 2 | 0 | | | | | |

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N | | | |
|------------------------------|---------------|---------------|---------------|-----------------------|---------------|---------------|-------------------------------------|------------------------|--------------------|---|----------------------------|------------------------|----------------------|---------------|-----------|-------------|-------|--------|
| | | | | | | | | | | | | | | | outbreaks | human cases | hosp. | deaths |
| Salmonella Enteritidis | Not Available | Not Available | Not Available | Not Available | 2022-155 | General | Meat and meat products | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 3 | 1 | 0 |
| | | | | | 2022-173 | General | Eggs and egg products | N_A | Unknown | Camp or picnic | Not Available | Not Available | Not Available | Not Available | N_A | 1 | 4 | 4 |
| Salmonella group A | Not Available | Not Available | Not Available | Not Available | 2022-163 | Household | Unknown | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 4 | 0 | 0 |
| Salmonella group B | Not Available | Not Available | Not Available | Not Available | 2022-075 | Household | Unknown | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 3 | 0 | 0 |
| Salmonella group D | Not Available | Not Available | Not Available | Not Available | 2022-027 | General | Eggs and egg products | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 4 | 1 | 0 |
| | | | | | 2022-154 | Household | Eggs and egg products | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 5 | 1 | 0 |
| | | | | | 2022-168 | General | Unknown | N_A | Unknown | Residential institution (nursing home or prison or boarding school) | Not Available | Not Available | Not Available | N_A | 1 | 7 | 2 | 0 |
| | | | | | 2022-170 | General | Mixed food | N_A | Unknown | Camp or picnic | Not Available | Not Available | Not Available | N_A | 1 | 11 | 0 | 0 |
| Salmonella spp., unspecified | Not Available | Not Available | Not Available | Not Available | 2022-012 | General | Pig meat and products thereof | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 19 | 0 | 0 |
| | | | | | 2022-016 | Household | Unknown | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 12 | 36 | 8 | 0 |
| | | | | | 2022-023 | General | Milk | N_A | Unknown | Mobile retailer or market/street vendor | Not Available | Not Available | Not Available | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-031 | Household | Dairy products (other than cheeses) | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 4 | 1 | 0 |
| | | | | | 2022-032 | Household | Meat and meat products | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 4 | 0 | 0 |
| | | | | | 2022-039 | General | Other foods | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 3 | 0 | 0 |
| | | | | | 2022-041 | General | Unknown | N_A | Unknown | Residential institution (nursing home or prison or boarding school) | Not Available | Not Available | Not Available | N_A | 1 | 32 | 0 | 0 |
| | | | | | 2022-046 | General | Milk | N_A | Unknown | Others | Not Available | Not Available | Not Available | N_A | 1 | 5 | 1 | 0 |

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N outbreaks | N | | | |
|------------------------------|---------------|---------------|---------------|-----------------------|---|---------------|---|------------------------|--------------------|---|----------------------------|------------------------|----------------------|---------------|-------------|-------------|-------|--------|---|
| | | | | | | | | | | | | | | | | human cases | hosp. | deaths | |
| Salmonella spp., unspecified | Not Available | Not Available | Not Available | Not Available | 2022-059 | General | Eggs and egg products | N_A | Unknown | Camp or picnic | Not Available | Not Available | Not Available | N_A | 1 | 2 | 0 | 0 | |
| | | | | | 2022-060 | General | Unknown | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | Not Available | N_A | 14 | 76 | 7 | 0 |
| | | | | | 2022-064 | Household | Other foods | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | Not Available | N_A | 1 | 5 | 0 | 0 |
| | | | | | 2022-066 | Household | Mixed food | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | Not Available | N_A | 3 | 7 | 0 | 0 |
| | | | | | 2022-069 | Household | Broiler meat (Gallus gallus) and products thereof | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | Not Available | N_A | 2 | 13 | 6 | 0 |
| | | | | | 2022-070 | General | Meat and meat products | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | Not Available | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-074 | General | Dairy products (other than cheeses) | N_A | Unknown | Mobile retailer or market/street vendor | Not Available | Not Available | Not Available | Not Available | N_A | 1 | 3 | 2 | 0 |
| | | | | | 2022-080 | General | Mixed food | N_A | Unknown | Residential institution (nursing home or prison or boarding school) | Not Available | Not Available | Not Available | Not Available | N_A | 1 | 7 | 0 | 0 |
| | | | | | 2022-106 | Unknown | Unknown | N_A | Unknown | Unknown | Not Available | Not Available | Not Available | Not Available | N_A | 2 | 6 | 0 | 0 |
| | | | | | 2022-108 | Household | Eggs and egg products | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | Not Available | N_A | 21 | 80 | 31 | 1 |
| | | | | | 2022-110 | General | Meat and meat products | N_A | Unknown | Others | Not Available | Not Available | Not Available | Not Available | N_A | 2 | 6 | 0 | 0 |
| | | | | | 2022-115 | Household | Vegetables and juices and other products thereof | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | Not Available | N_A | 1 | 4 | 0 | 0 |
| | | | | | 2022-121 | General | Crustaceans, shellfish, molluscs and products thereof | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | Not Available | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-126 | General | Eggs and egg products | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | Not Available | N_A | 16 | 69 | 14 | 0 |
| | | | | | 2022-134 | General | Eggs and egg products | N_A | Unknown | Mobile retailer or market/street vendor | Not Available | Not Available | Not Available | Not Available | N_A | 1 | 2 | 2 | 0 |
| | | | | | 2022-137 | General | Eggs and egg products | N_A | Unknown | Others | Not Available | Not Available | Not Available | Not Available | N_A | 1 | 9 | 0 | 0 |
| 2022-142 | General | Mixed food | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | Not Available | N_A | 9 | 37 | 2 | 0 | | | | | |

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N | | | |
|---|---------------|---------------|---------------|-----------------------|---------------|---------------|---|------------------------|--------------------|---|----------------------------|------------------------|----------------------|---------|-----------|-------------|-------|--------|
| | | | | | | | | | | | | | | | outbreaks | human cases | hosp. | deaths |
| Salmonella spp., unspecified | Not Available | Not Available | Not Available | Not Available | 2022-162 | Household | Crustaceans, shellfish, molluscs and products thereof | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 8 | 0 | 0 |
| | | | | | 2022-174 | General | Other foods | N_A | Unknown | Others | Not Available | Not Available | Not Available | N_A | 1 | 9 | 0 | 0 |
| | | | | | 2022-176 | General | Buffet meals | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 13 | 1 | 0 |
| | | | | | 2022-177 | Unknown | Eggs and egg products | N_A | Unknown | Unknown | Not Available | Not Available | Not Available | N_A | 3 | 38 | 2 | 0 |
| Salmonella Typhi | Not Available | Not Available | Not Available | Not Available | 2022-017 | General | Meat and meat products | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 5 | 4 | 0 |
| | | | | | 2022-147 | Household | Unknown | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 2 | 0 | 0 |
| Salmonella Typhimurium | Not Available | Not Available | Not Available | Not Available | 2022-020 | Unknown | Unknown | N_A | Unknown | Unknown | Not Available | Not Available | Not Available | N_A | 1 | 5 | 0 | 0 |
| | | | | | 2022-028 | Household | Unknown | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 2 | 4 | 0 | 0 |
| | | | | | 2022-033 | General | Sauce and dressings | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 4 | 0 | 0 |
| | | | | | 2022-054 | General | Unknown | N_A | Unknown | School or kindergarten | Not Available | Not Available | Not Available | N_A | 1 | 5 | 0 | 0 |
| | | | | | 2022-089 | General | Eggs and egg products | N_A | Unknown | Mobile retailer or market/street vendor | Not Available | Not Available | Not Available | N_A | 1 | 6 | 0 | 0 |
| | | | | | 2022-144 | Household | Eggs and egg products | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 3 | 0 | 0 |
| Shiga toxin-producing Escherichia coli (STEC) | Not Available | Not Available | Not Available | Not Available | 2022-047 | Household | Unknown | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-057 | General | Mixed food | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 4 | 0 | 0 |
| Shigella flexneri | Not Available | Not Available | Not Available | Not Available | 2022-001 | General | Mixed food | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 4 | 0 | 0 |
| | | | | | 2022-051 | Household | Unknown | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 3 | 1 | 0 |
| Shigella sonnei | Not Available | Not Available | Not Available | Not Available | 2022-035 | Household | Unknown | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 4 | 0 | 0 |
| | | | | | 2022-050 | Unknown | Unknown | N_A | Unknown | Unknown | Not Available | Not Available | Not Available | N_A | 2 | 4 | 0 | 0 |
| | | | | | 2022-111 | General | Unknown | N_A | Unknown | Others | Not Available | Not Available | Not Available | N_A | 1 | 2 | 0 | 0 |

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N outbreaks | N | | |
|------------------------------|---------------|---------------|---------------|-----------------------|---------------|---------------|--|------------------------|--------------------|---|----------------------------|------------------------|----------------------|---------|-------------|-------------|-------|--------|
| | | | | | | | | | | | | | | | | human cases | hosp. | deaths |
| Shigella spp., unspecified | Not Available | Not Available | Not Available | Not Available | 2022-044 | Unknown | Fruit, berries and juices and other products thereof | N_A | Unknown | Unknown | Not Available | Not Available | Not Available | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-112 | Household | Tap water, including well water | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 3 | 0 | 0 |
| Staphylococcal enterotoxins | Not Available | Not Available | Not Available | Not Available | 2022-007 | General | Fish and fish products | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-010 | Household | Other foods | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 3 | 0 | 0 |
| | | | | | 2022-026 | Household | Bakery products - pastry | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 12 | 0 | 0 |
| | | | | | 2022-073 | General | Unknown | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 3 | 0 | 0 |
| | | | | | 2022-078 | General | Eggs and egg products | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 15 | 0 | 0 |
| | | | | | 2022-123 | General | Pig meat and products thereof | N_A | Unknown | Hospital or medical care facility | Not Available | Not Available | Not Available | N_A | 1 | 4 | 0 | 0 |
| | | | | | 2022-125 | General | Unknown | N_A | Unknown | Residential institution (nursing home or prison or boarding school) | Not Available | Not Available | Not Available | N_A | 1 | 34 | 0 | 0 |
| | | | | | 2022-128 | General | Fish and fish products | N_A | Unknown | Others | Not Available | Not Available | Not Available | N_A | 1 | 6 | 0 | 0 |
| STEC O157 | Not Available | Not Available | Not Available | Not Available | 2022-008 | General | Meat and meat products | N_A | Unknown | School or kindergarten | Not Available | Not Available | Not Available | N_A | 1 | 2 | 2 | 0 |
| Trichinella, unspecified sp. | Not Available | Not Available | Not Available | Not Available | 2022-079 | Household | Meat and meat products | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 3 | 0 | 0 |
| Unknown | Not Available | Not Available | Not Available | Not Available | 2022-002 | Household | Meat and meat products | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 2 | 8 | 0 | 0 |
| | | | | | 2022-004 | General | Unknown | N_A | Unknown | Residential institution (nursing home or prison or boarding school) | Not Available | Not Available | Not Available | N_A | 6 | 274 | 1 | 0 |
| | | | | | 2022-013 | Household | Other foods | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 3 | 19 | 2 | 0 |
| | | | | | 2022-014 | Household | Mixed food | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 4 | 0 | 0 |
| | | | | | 2022-015 | General | Sauce and dressings | N_A | Unknown | Others | Not Available | Not Available | Not Available | N_A | 1 | 17 | 0 | 0 |

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N outbreaks | N | | |
|-----------------|---------------|---|---------------|-----------------------|---|---------------|---|------------------------|--------------------|---|----------------------------|------------------------|----------------------|---------|-------------|-------------|-------|--------|
| | | | | | | | | | | | | | | | | human cases | hosp. | deaths |
| Unknown | Not Available | Not Available | Not Available | Not Available | 2022-025 | General | Sauce and dressings | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 4 | 16 | 0 | 0 |
| | | | | | 2022-029 | General | Eggs and egg products | N_A | Unknown | Camp or picnic | Not Available | Not Available | Not Available | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-034 | Unknown | Unknown | N_A | Unknown | Residential institution (nursing home or prison or boarding school) | Not Available | Not Available | Not Available | N_A | 1 | 20 | 0 | 0 |
| | | | | | 2022-036 | General | Crustaceans, shellfish, molluscs and products thereof | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 8 | 73 | 0 | 0 |
| | | | | | 2022-040 | Household | Vegetables and juices and other products thereof | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-042 | Unknown | Eggs and egg products | N_A | Unknown | Unknown | Not Available | Not Available | Not Available | N_A | 3 | 33 | 0 | 0 |
| | | | | | 2022-045 | General | Dairy products (other than cheeses) | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 3 | 16 | 0 | 0 |
| | | | | | 2022-049 | General | Unknown | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 24 | 419 | 6 | 0 |
| | | | | | 2022-053 | General | Unknown | N_A | Unknown | Camp or picnic | Not Available | Not Available | Not Available | N_A | 2 | 61 | 0 | 0 |
| | | | | | 2022-058 | Unknown | Other foods | N_A | Unknown | Unknown | Not Available | Not Available | Not Available | N_A | 1 | 7 | 0 | 0 |
| | | | | | 2022-062 | Unknown | Broiler meat (Gallus gallus) and products thereof | N_A | Unknown | Unknown | Not Available | Not Available | Not Available | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-063 | General | Other foods | N_A | Unknown | Mobile retailer or market/street vendor | Not Available | Not Available | Not Available | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-065 | Household | Fish and fish products | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 2 | 5 | 0 | 0 |
| | | | | | 2022-067 | Unknown | Mixed food | N_A | Unknown | Unknown | Not Available | Not Available | Not Available | N_A | 2 | 6 | 0 | 0 |
| 2022-068 | General | Broiler meat (Gallus gallus) and products thereof | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 43 | 1 | 0 | | | | | |
| 2022-072 | General | Mixed food | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 11 | 83 | 0 | 0 | | | | | |

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N outbreaks | N human cases | N hosp. | N deaths | |
|-----------------|---------------|--|---------------|-----------------------|---|---------------|---|------------------------|--------------------|---|----------------------------|------------------------|----------------------|---|-------------|---------------|---------|----------|---|
| | | | | | | | | | | | | | | | | | | | |
| Unknown | Not Available | Not Available | Not Available | Not Available | 2022-083 | General | Other foods | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 11 | 89 | 3 | 0 | |
| | | | | | 2022-084 | General | Fish and fish products | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | Not Available | N_A | 4 | 15 | 0 | 0 |
| | | | | | 2022-085 | General | Mixed food | N_A | Unknown | Multiple places of exposure in one country | Not Available | Not Available | Not Available | N_A | 1 | 5 | 0 | 0 | |
| | | | | | 2022-086 | Household | Eggs and egg products | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 7 | 28 | 3 | 0 | |
| | | | | | 2022-088 | General | Unknown | N_A | Unknown | Canteen or workplace catering | Not Available | Not Available | Not Available | N_A | 1 | 65 | 0 | 0 | |
| | | | | | 2022-091 | Household | Unknown | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 3 | 9 | 2 | 0 | |
| | | | | | 2022-096 | General | Eggs and egg products | N_A | Unknown | Mobile retailer or market/street vendor | Not Available | Not Available | Not Available | N_A | 2 | 4 | 1 | 0 | |
| | | | | | 2022-097 | General | Unknown | N_A | Unknown | Others | Not Available | Not Available | Not Available | N_A | 2 | 51 | 0 | 0 | |
| | | | | | 2022-100 | General | Meat and meat products | N_A | Unknown | Others | Not Available | Not Available | Not Available | N_A | 2 | 22 | 0 | 0 | |
| | | | | | 2022-117 | Household | Cheese | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 9 | 0 | 0 | |
| | | | | | 2022-122 | General | Other, mixed or unspecified poultry meat and products thereof | N_A | Unknown | School or kindergarten | Not Available | Not Available | Not Available | causative agent is suspected to be cadaverine and putrescine, but not confirm | 1 | 37 | 0 | 0 | |
| | | | | | 2022-124 | General | Eggs and egg products | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 6 | 46 | 0 | 0 | |
| | | | | | 2022-130 | General | Fish and fish products | N_A | Unknown | Residential institution (nursing home or prison or boarding school) | Not Available | Not Available | Not Available | N_A | 1 | 7 | 0 | 0 | |
| | | | | | 2022-132 | General | Tap water, including well water | N_A | Unknown | Camp or picnic | Not Available | Not Available | Not Available | N_A | 2 | 103 | 0 | 0 | |
| 2022-133 | General | Vegetables and juices and other products thereof | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 3 | 0 | 0 | | | | | | |

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N outbreaks | N | | |
|-----------------|---------------|---------------|---------------|-----------------------|---------------|---------------|---|------------------------|--------------------|---|----------------------------|------------------------|----------------------|---------|-------------|-------------|-------|--------|
| | | | | | | | | | | | | | | | | human cases | hosp. | deaths |
| Unknown | Not Available | Not Available | Not Available | Not Available | 2022-139 | General | Tap water, including well water | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 3 | 0 | 0 |
| | | | | | 2022-140 | General | Mixed food | N_A | Unknown | School or kindergarten | Not Available | Not Available | Not Available | N_A | 1 | 4 | 0 | 0 |
| | | | | | 2022-145 | General | Broiler meat (Gallus gallus) and products thereof | N_A | Unknown | Others | Not Available | Not Available | Not Available | N_A | 1 | 4 | 0 | 0 |
| | | | | | 2022-146 | General | Other, mixed or unspecified poultry meat and products thereof | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 2 | 9 | 0 | 0 |
| | | | | | 2022-148 | General | Other foods | N_A | Unknown | Others | Not Available | Not Available | Not Available | N_A | 1 | 38 | 0 | 0 |
| | | | | | 2022-150 | General | Unknown | N_A | Unknown | School or kindergarten | Not Available | Not Available | Not Available | N_A | 4 | 234 | 0 | 0 |
| | | | | | 2022-152 | General | Dairy products (other than cheeses) | N_A | Unknown | Others | Not Available | Not Available | Not Available | N_A | 1 | 3 | 0 | 0 |
| | | | | | 2022-156 | General | Bakery products | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 2 | 7 | 0 | 0 |
| | | | | | 2022-159 | General | Mixed food | N_A | Unknown | Camp or picnic | Not Available | Not Available | Not Available | N_A | 1 | 7 | 0 | 0 |
| | | | | | 2022-160 | General | Cereal products including rice and seeds/pulses (nuts, almonds) | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 2 | 0 | 0 |
| | | | | | 2022-165 | Household | Pig meat and products thereof | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 12 | 0 | 0 |
| | | | | | 2022-169 | General | Meat and meat products | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 8 | 45 | 0 | 0 |
| | | | | | 2022-175 | General | Meat and meat products | N_A | Unknown | Camp or picnic | Not Available | Not Available | Not Available | N_A | 1 | 76 | 0 | 0 |
| Unspecified | Not Available | Not Available | Not Available | Not Available | 2022-071 | Household | Cheese | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 3 | 0 | 0 |
| | | | | | 2022-098 | General | Mixed food | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 1 | 32 | 0 | 0 |

| Causative agent | H | AG | VT | Other Causative Agent | FBO nat. code | Outbreak type | Food vehicle | More food vehicle info | Nature of evidence | Setting | Place of origin of problem | Origin of food vehicle | Contributory factors | Comment | N outbreaks | N human cases | N hosp. | N deaths |
|-------------------------|---------------|---------------|---------------|-----------------------|---------------|---------------|---------------------------------|------------------------|--------------------|---|----------------------------|------------------------|----------------------|---------|-------------|---------------|---------|----------|
| Unspecified | Not Available | Not Available | Not Available | Not Available | 2022-167 | General | Unknown | N_A | Unknown | Restaurant or Cafe or Pub or Bar or Hotel or Catering service | Not Available | Not Available | Not Available | N_A | 2 | 6 | 0 | 0 |
| Yersinia | Not Available | Not Available | Not Available | Not Available | 2022-006 | Household | Live bivalve molluscs - oysters | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 4 | 0 | 0 |
| Yersinia enterocolitica | Not Available | Not Available | Not Available | Not Available | 2022-114 | Household | Unknown | N_A | Unknown | Domestic premises | Not Available | Not Available | Not Available | N_A | 1 | 2 | 0 | 0 |

Table Antimicrobial susceptibility testing of *Campylobacter coli* in *Gallus gallus* (fowl) - broilers

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin: Spain

Sampling Details: N_A

| AM substance | Chloramphenicol | Ciprofloxacin | Etapenem | Erythromycin | Gentamicin | Tetracycline |
|--------------------------------|-----------------|---------------|--------------|--------------|-------------|--------------|
| ECOFF | 16 | 0.5 | 0.5 | 8 | 2 | 2 |
| Lowest limit | 2 | 0.125 | 0.125 | 1 | 0.25 | 0.5 |
| Highest limit | 64 | 32 | 4 | 512 | 16 | 64 |
| N of tested isolates | 92 | 92 | 92 | 92 | 92 | 92 |
| N of resistant isolates | 0 | 81 | 26 | 23 | 5 | 84 |
| MIC | | | | | | |
| <=0.125 | | 9 | 40 | | | |
| <=0.25 | | | | | 22 | |
| 0.25 | | 2 | 15 | | | |
| <=0.5 | | | | | | 8 |
| 0.5 | | | 11 | | 57 | |
| <=1 | | | | 61 | | |
| 1 | | | 10 | | 8 | |
| <=2 | 58 | | | | | |
| 2 | | | 9 | 6 | | |
| 4 | 30 | 3 | 6 | 2 | | |
| >4 | | | 1 | | | |
| 8 | 3 | 27 | | | | 1 |
| 16 | 1 | 36 | | | 2 | 2 |
| >16 | | | | | 3 | |
| 32 | | 12 | | | | 7 |
| >32 | | 3 | | | | |
| 64 | | | | | | 23 |
| >64 | | | | | | 51 |
| 256 | | | | 7 | | |
| 512 | | | | 9 | | |

| AM substance | Chloramphenicol | Ciprofloxacin | Ertapenem | Erythromycin | Gentamicin | Tetracycline |
|-----------------------------|-----------------|---------------|-----------|--------------|------------|--------------|
| ECOFF | 16 | 0.5 | 0.5 | 8 | 2 | 2 |
| Lowest limit | 2 | 0.125 | 0.125 | 1 | 0.25 | 0.5 |
| Highest limit | 64 | 32 | 4 | 512 | 16 | 64 |
| N of tested isolates | 92 | 92 | 92 | 92 | 92 | 92 |
| MIC N of resistant isolates | 0 | 81 | 26 | 23 | 5 | 84 |
| >512 | | | | 7 | | |

Table Antimicrobial susceptibility testing of *Campylobacter coli* in Turkeys - fattening flocks

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Chloramphenicol | Ciprofloxacin | Etapenem | Erythromycin | Gentamicin | Tetracycline |
|--------------------------------|-----------------|---------------|--------------|--------------|-------------|--------------|
| ECOFF | 16 | 0.5 | 0.5 | 8 | 2 | 2 |
| Lowest limit | 2 | 0.125 | 0.125 | 1 | 0.25 | 0.5 |
| Highest limit | 64 | 32 | 4 | 512 | 16 | 64 |
| N of tested isolates | 170 | 170 | 170 | 170 | 170 | 170 |
| N of resistant isolates | 0 | 161 | 79 | 13 | 3 | 151 |
| MIC | | | | | | |
| <=0.125 | | 9 | 60 | | | |
| <=0.25 | | | | | 58 | |
| 0.25 | | | 11 | | | |
| <=0.5 | | | | | | 16 |
| 0.5 | | | 20 | | 98 | |
| <=1 | | | | 150 | | |
| 1 | | | 18 | | 11 | |
| <=2 | 96 | | | | | |
| 2 | | | 39 | 7 | | 3 |
| 4 | 66 | 9 | 12 | | | |
| >4 | | | 10 | | | |
| 8 | 8 | 56 | | | | 3 |
| 16 | | 64 | | | | 5 |
| >16 | | | | | 3 | |
| 32 | | 22 | | | | 18 |
| >32 | | 10 | | | | |
| 64 | | | | | | 57 |
| >64 | | | | | | 68 |
| 128 | | | | 1 | | |
| 256 | | | | 4 | | |

| AM substance | Chloramphenicol | Ciprofloxacin | Ertapenem | Erythromycin | Gentamicin | Tetracycline |
|--------------------------------|-----------------|---------------|-----------|--------------|------------|--------------|
| ECOFF | 16 | 0.5 | 0.5 | 8 | 2 | 2 |
| Lowest limit | 2 | 0.125 | 0.125 | 1 | 0.25 | 0.5 |
| Highest limit | 64 | 32 | 4 | 512 | 16 | 64 |
| N of tested isolates | 170 | 170 | 170 | 170 | 170 | 170 |
| N of resistant isolates | 0 | 161 | 79 | 13 | 3 | 151 |
| MIC | | | | | | |
| 512 | | | | 5 | | |
| >512 | | | | 3 | | |

Table Antimicrobial susceptibility testing of *Campylobacter jejuni* in *Gallus gallus* (fowl) - broilers

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin: Spain

Sampling Details: N_A

| AM substance | Chloramphenicol | Ciprofloxacin | Etapenem | Erythromycin | Gentamicin | Tetracycline |
|-------------------------|-----------------|---------------|----------|--------------|------------|--------------|
| ECOFF | 16 | 0.5 | 0.5 | 4 | 2 | 1 |
| Lowest limit | 2 | 0.125 | 0.125 | 1 | 0.25 | 0.5 |
| Highest limit | 64 | 32 | 4 | 512 | 16 | 64 |
| N of tested isolates | 170 | 170 | 170 | 170 | 170 | 170 |
| N of resistant isolates | 0 | 153 | 8 | 0 | 0 | 120 |
| MIC | | | | | | |
| <=0.125 | | 15 | 97 | | | |
| <=0.25 | | | | | 156 | |
| 0.25 | | 2 | 50 | | | |
| <=0.5 | | | | | | 50 |
| 0.5 | | | 15 | | 13 | |
| <=1 | | | | 166 | | |
| 1 | | | 2 | | 1 | |
| <=2 | 155 | | | | | |
| 2 | | | 3 | 3 | | |
| 4 | 15 | 5 | 3 | 1 | | |
| 8 | | 75 | | | | 6 |
| 16 | | 61 | | | | 5 |
| 32 | | 11 | | | | 9 |
| >32 | | 1 | | | | |
| 64 | | | | | | 51 |
| >64 | | | | | | 49 |

Table Antimicrobial susceptibility testing of *Campylobacter jejuni* in Turkeys - fattening flocks

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin: Spain

Sampling Details: N_A

| AM substance | Chloramphenicol | Ciprofloxacin | Etapenem | Erythromycin | Gentamicin | Tetracycline |
|--------------------------------|-----------------|---------------|--------------|--------------|-------------|--------------|
| ECOFF | 16 | 0.5 | 0.5 | 4 | 2 | 1 |
| Lowest limit | 2 | 0.125 | 0.125 | 1 | 0.25 | 0.5 |
| Highest limit | 64 | 32 | 4 | 512 | 16 | 64 |
| N of tested isolates | 170 | 170 | 170 | 170 | 170 | 170 |
| N of resistant isolates | 0 | 148 | 15 | 0 | 0 | 107 |
| MIC | | | | | | |
| <=0.125 | | 22 | 93 | | | |
| <=0.25 | | | | | 161 | |
| 0.25 | | | 40 | | | |
| <=0.5 | | | | | | 63 |
| 0.5 | | | 22 | | 9 | |
| <=1 | | | | 168 | | |
| 1 | | | 5 | | | |
| <=2 | 161 | | | | | |
| 2 | | | 6 | 1 | | 1 |
| 4 | 9 | 7 | 3 | 1 | | |
| >4 | | | 1 | | | |
| 8 | | 91 | | | | 3 |
| 16 | | 37 | | | | 5 |
| 32 | | 13 | | | | 8 |
| 64 | | | | | | 51 |
| >64 | | | | | | 39 |

ANTIMICROBIAL RESISTANCE TABLES FOR SALMONELLA

Table Antimicrobial susceptibility testing of Salmonella 9,12:lv:- in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | MIC | ESBL Genes | AMPC Genes | CARBA Genes |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|--------|---------------|---------------|---------------|
| | | | | | | | | | | Not Available | Not Available | Not Available |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | | | | | | 1 | | 0.03 | | | |
| | | | | 1 | 1 | | | | <=0.25 | | | |
| | | 1 | | | | | | | <=1 | | | |
| | | | | | | | | 1 | 2 | | | |
| | 1 | | | | | | | | <=4 | | | |
| | | | | | | 1 | | | <=8 | | | |
| | | | 1 | | | | | | 8 | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | | 1 |
| | <=0.5 | 1 | | | | | |
| | 0.5 | | | | | 1 | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 64 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Agona in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | MIC | | |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|------------|------------|-------------|
| | | | | | | | | | ESBL Genes | AMPC Genes | CARBA Genes |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | | | | | | 2 | | | | |
| | | | | 2 | | | | | | | |
| | | | | | 1 | | | | | | |
| | | 2 | | | | | | 2 | | | |
| | | | | | 1 | | | | | | |
| | 2 | | | | | | | | | | |
| | | | | | | 2 | | | | | |
| | | | 2 | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 2 | | | | | |
| | <=0.25 | | | | | 2 | 2 |
| | <=0.5 | 2 | | | | | |
| | <=2 | | | | 2 | | |
| | <=4 | | 2 | | | | |
| | 32 | | | 1 | | | |
| | 64 | | | 1 | | | |

CARBA Genes Not Available
 AMPC Genes Not Available
 ESBL Genes Not Available

Table Antimicrobial susceptibility testing of Salmonella Agona in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | Genes | | |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|------------|------------|-------------|
| | | | | | | | | | ESBL Genes | AMPC Genes | CARBA Genes |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MIC | | | | | | | | | | | |
| | | | | | | | 2 | | | | |
| | | | | 2 | | | | | | | |
| | | | | | 2 | | | | | | |
| | | 1 | | | | | | 2 | | | |
| | | 1 | | | | | | | | | |
| | 2 | | | | | | | | | | |
| | <=4 | | | | | | | | | | |
| | <=8 | | | | | 2 | | | | | |
| | 8 | | 2 | | | | | | | | |

| | | | AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|-------------|--|--|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|
| | | | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 |
| | | | Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| | | | Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| | | | N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | | N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | MIC | | | | | | | |
| CARBA Genes | | | <=0.03 | | | | | | | |
| AMPC Genes | | | 0.064 | 1 | | | | | | |
| ESBL Genes | | | <=0.25 | | | | | | | |
| | | | <=0.5 | 2 | | | | | | |
| | | | <=2 | | | | | | | |
| | | | <=4 | 2 | | | | | | |
| | | | 16 | 2 | | | | | | |

Table Antimicrobial susceptibility testing of Salmonella Agona in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 1 | |
| | | | | 1 | | | | |
| | | | | | 1 | | | |
| | | 1 | | | | | | 1 |
| | 1 | | | | | | | |
| | | | | | | 1 | | |
| 8 | | | 1 | | | | | |

ESBL Genes
Not Available

AMPC Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | <=0.5 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 64 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes
 Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Albany in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|---------------|---------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MIC | | | | | | | | | | | |
| Not Available | Not Available | Not Available | <=0.015 | | | | | | 3 | | |
| Not Available | Not Available | Not Available | <=0.25 | | | 3 | | | | | |
| Not Available | Not Available | Not Available | 0.5 | | | | 3 | | | | |
| Not Available | Not Available | Not Available | <=1 | | 3 | | | | | | 3 |
| Not Available | Not Available | Not Available | <=4 | 3 | | | | | | | |
| Not Available | Not Available | Not Available | 4 | | | 2 | | | | | |
| Not Available | Not Available | Not Available | <=8 | | | | | 3 | | | |
| Not Available | Not Available | Not Available | 8 | | | 1 | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 3 | | | | | |
| | <=0.25 | | | | | 3 | 3 |
| | <=0.5 | 3 | | | | | |
| | <=2 | | | | 3 | | |
| | <=4 | | 3 | | | | |
| | 16 | | | 2 | | | |
| | 32 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Albany in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 1 | |
| | | | | 1 | | | | |
| | | | | | 1 | | | |
| | | 1 | | | | | | 1 |
| | 1 | | | | | | | |
| | | | 1 | | | | | |
| | | | | | | 1 | | |
| | | | | | | | | |

ESBL Genes
Not Available

AMPC Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | | 1 | | | | | |
| | | | | | | 1 | 1 |
| | 1 | | | | | | |
| | | | | | 1 | | |
| | | | 1 | | | | |
| | | | | 1 | | | |
| | | | | | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Altona in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------|--------------------|--------------------|--------------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| | | | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | | | Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | | | N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | | N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | | | | |
| ESBL Genes | AMP C Genes | CARBA Genes | <=0.015 | | | | | | | 1 | |
| | | | 0.03 | | | | | | 1 | | |
| | | | <=0.25 | | | | 2 | 2 | | | |
| | | | <=1 | | 2 | | | | | | 2 |
| | | | <=4 | 2 | | | | | | | |
| | | | 4 | | | 2 | | | | | |
| | | | <=8 | | | | | | | 2 | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 2 | | | | | |
| | <=0.25 | | | | | 2 | 2 |
| | <=0.5 | 2 | | | | | |
| | <=2 | | | | 2 | | |
| | <=4 | | 2 | | | | |
| | 32 | | | 1 | | | |
| | 64 | | | 1 | | | |

CARBA Genes Not Available
 AMPC Genes Not Available
 ESBL Genes Not Available

Table Antimicrobial susceptibility testing of Salmonella Anatum in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------|--------------------------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| | Lowest limit | | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | Highest limit | | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | N of tested isolates | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | N of resistant isolates | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | MIC | | | | | | | | | |
| | <=0.015 | | | | | | | 1 | | |
| | <=0.25 | | | | | 1 | | | | |
| | 0.5 | | | | | | 1 | | | |
| | <=1 | | | | | | | | | 1 |
| | 2 | | | 1 | | | | | | |
| | <=4 | | 1 | | | | | | | |
| | 4 | | | | 1 | | | | | |
| | <=8 | | | | | | | 1 | | |
| ESBL Genes | Not Available | | | | | | | | | |
| AMP C Genes | Not Available | | | | | | | | | |
| CARBA Genes | Not Available | | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|--------|--------|-------|
| | | | | | | | | <=0.03 | <=0.25 | <=0.5 |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | | | |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | | | |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | | | | | | | <=0.03 | | 1 |
| | | | | | | | | <=0.25 | | 1 |
| | | | | | | | | <=0.5 | 1 | |
| | | | | | | | | 0.5 | | 1 |
| | | | | | | | | <=2 | | 1 |
| | | | | | | | | <=4 | | 1 |
| | | | | | | | | 32 | | 1 |

CARBA Genes
Not Available

AMPC Genes
Not Available

ESBL Genes
Not Available

Table Antimicrobial susceptibility testing of Salmonella Bovismorbificans in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|-------------|-------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | | | |
| MIC | 0.125 | | | | | | | 1 | | | |
| | <=0.25 | | | 1 | 1 | | | | | | |
| | <=1 | | | | | | | 1 | | | |
| | <=4 | | 1 | | | | | | | | |
| | 4 | | | | 1 | | | | | | |
| | >32 | | | 1 | | | | | | | |
| | >64 | | | | | | 1 | | | | |

Table Antimicrobial susceptibility testing of Salmonella Bovismorbificans in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | MIC | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|---------------|---------------|--------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | | |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | | |
| N of resistant isolates | 0 | 2 | 0 | 0 | 0 | 2 | 2 | 0 | | | | |
| Not Available | Not Available | Not Available | 0.125 | | | | | | | | 1 | |
| Not Available | Not Available | Not Available | <=0.25 | | | | 2 | 2 | | | | |
| Not Available | Not Available | Not Available | 0.25 | | | | | | | | 1 | |
| Not Available | Not Available | Not Available | <=1 | | | | | | | | | 2 |
| Not Available | Not Available | Not Available | <=4 | 2 | | | | | | | | |
| Not Available | Not Available | Not Available | 4 | | | | 1 | | | | | |
| Not Available | Not Available | Not Available | 8 | | | | 1 | | | | | |
| Not Available | Not Available | Not Available | >32 | | | 2 | | | | | | |
| Not Available | Not Available | Not Available | >64 | | | | | | | 2 | | |

| | AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|------------|--------------------------------|------------|--------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 |
| | Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| | Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| | N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | N of resistant isolates | 0 | 0 | 0 | 2 | 2 | 0 | 2 |
| MIC | | | | | | | | |
| | <=0.03 | | 2 | | | | | |
| | <=0.25 | | | | | | 2 | |
| | <=0.5 | 2 | | | | | | |
| | <=4 | | | 1 | | | | |
| | 8 | | | 1 | | | | |
| | 16 | | | | | | | 1 |
| | >16 | | | | | | | 1 |
| | >32 | | | | | 2 | | |
| | >512 | | | | 2 | | | |

CARBA Genes
Not Available

AMPC Genes
Not Available

ESBL Genes
Not Available

Table Antimicrobial susceptibility testing of Salmonella Bovismorbificans in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|------------|-------------|-------------|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 |
| | | | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | | | Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | | | N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | MIC | | | | | | | | |
| | | | <=0.015 | | | | | | | 1 | |
| | | | <=0.25 | | | | 1 | 1 | | | |
| | | | <=1 | | 1 | | | | | | 1 |
| | | | <=4 | 1 | | | | | | | |
| | | | 4 | | | 1 | | | | | |
| | | | <=8 | | | | | | 1 | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | <=0.5 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 32 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes
 Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Bovismorbificans in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 1 | |
| | | | | 1 | 1 | | | |
| | | | | | | | | 1 |
| | 1 | | | | | | | |
| | | | 1 | | | | | |
| | | 1 | | | | | | |
| | | | | | | 1 | | |

ESBL Genes
Not Available

AMP C Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|--------|--------|-------|
| | | | | | | | | 0.064 | <=0.25 | <=0.5 |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | | | |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | | | |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| | | | | | | | | 0.064 | | 1 |
| | | | | | | | | <=0.25 | | 1 |
| | | | | | | | | <=0.5 | 1 | |
| | | | | | | | | <=4 | | 1 |
| | | | | | | | | >16 | | 1 |
| | | | | | | | | >32 | | 1 |
| | | | | | | | | >512 | | 1 |

CARBA Genes
Not Available

AMPC Genes
Not Available

ESBL Genes
Not Available

Table Antimicrobial susceptibility testing of Salmonella Bovismorbificans in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|---|---------------|--------------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| | | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | | Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | | N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | MIC | | | | | | | | |
| ESBL Genes AMPC Genes CARBA Genes | Not Available | <=0.015 | | | | | | 1 | | |
| | Not Available | <=0.25 | | | | 1 | 1 | | | |
| | Not Available | <=1 | | | | | | | | 1 |
| | Not Available | 2 | | 1 | | | | | | |
| | Not Available | <=4 | 1 | | | | | | | |
| | Not Available | 4 | | | 1 | | | | | |
| | Not Available | <=8 | | | | | | 1 | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | | <=0.03 | | | | | |
| | | <=0.25 | | | | 1 | |
| | | <=0.5 | 1 | | | | |
| | | 0.5 | | | | | 1 |
| | | <=2 | | | 1 | | |
| | | <=4 | 1 | | | | |
| | | 64 | | 1 | | | |

CARBA Genes
AMPC Genes
ESBL Genes
Not Available
Not Available
Not Available

Table Antimicrobial susceptibility testing of Salmonella Bredeney in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|---------------|---------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MIC | | | | | | | | | | | |
| Not Available | Not Available | Not Available | <=0.015 | | | | | | 1 | | |
| Not Available | Not Available | Not Available | 0.03 | | | | | | 1 | | |
| Not Available | Not Available | Not Available | <=0.25 | | | 2 | 2 | | | | |
| Not Available | Not Available | Not Available | <=1 | | 1 | | | | | | 1 |
| Not Available | Not Available | Not Available | 2 | | 1 | | | | | | 1 |
| Not Available | Not Available | Not Available | <=4 | 2 | | | | | | | |
| Not Available | Not Available | Not Available | 4 | | | 1 | | | | | |
| Not Available | Not Available | Not Available | <=8 | | | | | | 2 | | |
| Not Available | Not Available | Not Available | 8 | | | 1 | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | | 2 | | | | | |
| | | | | | | 2 | 2 |
| | 2 | | | | | | |
| | | | | | 2 | | |
| | | | 2 | | | | |
| | | | | 2 | | | |
| | | | | | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Bredeney in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | Genes | | |
|--------------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|------------|------------|-------------|
| | | | | | | | | | ESBL Genes | AMPC Genes | CARBA Genes |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MIC | | | | | | | | | | | |
| | | | | | | | 2 | | | | |
| | | | | 2 | 1 | | | | | | |
| | | | | | 1 | | | | | | |
| | | 2 | | | | | | | | | |
| | | | | | | | | 2 | | | |
| | 2 | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | 2 | | | | | |
| | | | 2 | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 2 | | | | | |
| | <=0.25 | | | | | 2 | 2 |
| | <=0.5 | 2 | | | | | |
| | <=2 | | | | 2 | | |
| | <=4 | | 2 | | | | |
| | 32 | | | 2 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes
 Not Available
 Not Available
 Not Available

| | | AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|------------|------------|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|
| ESBL Genes | AMPC Genes | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 |
| | | Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| | | Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| | | N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | N of resistant isolates | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| | | MIC | | | | | | | |
| | | <=0.03 | | 2 | | | | | |
| | | <=0.25 | | | | | | 1 | 1 |
| | | <=0.5 | 1 | | | | | | |
| | | 0.5 | | | | | | 1 | |
| 1 | 1 | | | | | | | | |
| <=2 | | | | | | 1 | | | |
| <=4 | | | 2 | | | | | | |
| >16 | | | | | | | 1 | | |
| 32 | | | | | 1 | | | | |
| >32 | | | | | | 1 | | | |
| >512 | | | | | 1 | | | | |

CARBA Genes
Not Available

AMPC Genes
Not Available

ESBL Genes
Not Available

Table Antimicrobial susceptibility testing of Salmonella Bredeney in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------|--------------------------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| | Lowest limit | | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | Highest limit | | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | N of tested isolates | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | N of resistant isolates | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | MIC | | | | | | | | | |
| | <=0.015 | | | | | | | 1 | | |
| | <=0.25 | | | | | 1 | 1 | | | |
| | <=1 | | | 1 | | | | | | 1 |
| | <=4 | | 1 | | | | | | | |
| | <=8 | | | | | | | 1 | | |
| | 8 | | | | 1 | | | | | |
| ESBL Genes | Not Available | | | | | | | | | |
| AMP C Genes | Not Available | | | | | | | | | |
| CARBA Genes | Not Available | | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | | 1 | | | | | |
| | | | | | | 1 | 1 |
| | 1 | | | | | | |
| | | | | | 1 | | |
| | | | 1 | | | | |
| | | | | 1 | | | |
| | | | | | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Bredeney in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | 0.03 | | | | | | 1 | |
| | <=0.25 | | | 1 | | | | |
| | 0.5 | | | | 1 | | | |
| | <=1 | | | | | | | 1 |
| | 2 | | 1 | | | | | |
| | <=4 | 1 | | | | | | |
| | <=8 | | | | | 1 | | |
| | 8 | | 1 | | | | | |

ESBL Genes
Not Available

AMP C Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | <=0.5 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 64 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Bredeney in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | MIC | | |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|------------|------------|-------------|
| | | | | | | | | | ESBL Genes | AMPC Genes | CARBA Genes |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | | | | | | 1 | | | | |
| | | | | | | | 1 | | | | |
| | | | | 2 | 2 | | | | | | |
| | | 1 | | | | | | 2 | | | |
| | | 1 | | | | | | | | | |
| | 2 | | | | | | | | | | |
| | <=4 | | | | | | | | | | |
| | 4 | | 2 | | | | | | | | |
| | <=8 | | | | | 2 | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 2 | | | | | |
| | <=0.25 | | | | | 2 | 2 |
| | <=0.5 | 2 | | | | | |
| | <=2 | | | | 2 | | |
| | <=4 | | 2 | | | | |
| | 32 | | | 2 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Chester in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 1 | |
| | | | | 1 | 1 | | | |
| | | 1 | | | | | | 1 |
| | 1 | | | | | | | |
| | | | | | | 1 | | |
| | | | 1 | | | | | |

ESBL Genes
Not Available

AMPC Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | <=0.5 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 32 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes
 Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Chester in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 2 | |
| | | | | | | | 1 | |
| | | | | 3 | 3 | | | |
| | | 3 | | | | | | 3 |
| | 3 | | | | | | | |
| | | | 1 | | | | | |
| | | | | | | 3 | | |
| | | | 2 | | | | | |

ESBL Genes
 AMP C Genes
 CARBA Genes
 Not Available
 Not Available
 Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 3 | | | | | |
| | <=0.25 | | | | | 2 | 3 |
| | <=0.5 | 2 | | | | | |
| | 0.5 | | | | | 1 | |
| | 1 | 1 | | | | | |
| | <=2 | | | | 3 | | |
| | <=4 | | 3 | | | | |
| | 16 | | | 1 | | | |
| | 64 | | | 2 | | | |

CARBA Genes
AMPC Genes
ESBL Genes

Not Available
Not Available
Not Available

Table Antimicrobial susceptibility testing of Salmonella Chester in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 1 | |
| | | | | 1 | 1 | | | |
| | | 1 | | | | | | 1 |
| | 1 | | | | | | | |
| | | | | | | 1 | | |
| | | | 1 | | | | | |

ESBL Genes
Not Available

AMP C Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | | 1 | | | | | |
| | | | | | | 1 | 1 |
| | 1 | | | | | | |
| | | | | | 1 | | |
| | | | 1 | | | | |
| | | | | 1 | | | |
| | | | | | | | |

CARBA Genes Not Available
 AMPC Genes Not Available
 ESBL Genes Not Available

Table Antimicrobial susceptibility testing of Salmonella Chester in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|------------|-------------|-------------|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 |
| | | | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | | | Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | | | N of tested isolates | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | | | N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | MIC | | | | | | | | |
| | | | <=0.015 | | | | | | | 4 | |
| | | | <=0.25 | | | | 4 | 2 | | | |
| | | | 0.5 | | | | | 2 | | | |
| | | | <=1 | | 4 | | | | | | 4 |
| | | | <=4 | 4 | | | | | | | |
| | | | <=8 | | | | | | 4 | | |
| | | | 8 | | | 4 | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 4 | | | | | |
| | <=0.25 | | | | | 4 | 4 |
| | <=0.5 | 4 | | | | | |
| | <=2 | | | | 4 | | |
| | <=4 | | 4 | | | | |
| | 32 | | | 4 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes
 Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Choleraesuis var. Kunzendorf in Meat from broilers (Gallus gallus) - fresh - frozen

Sampling Stage: Border Control Posts

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method: Macromethod broth dilution and plates incubation (Dilution - broth on agar plates)

Country Of Origin: Brazil

Sampling Details: N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| 0.03 | | | | | | | 1 | |
| <=0.25 | | | | 1 | 1 | | | |
| <=1 | | | | | | | | 1 |
| <=4 | 1 | | | | | | | |
| <=8 | | | | | | 1 | | |
| 8 | | | 1 | | | | | |
| >32 | | 1 | | | | | | |

ESBL Genes
Not Available

AMP C Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|-------|---|-----|
| | | | | | | | | 0.064 | 1 | >16 |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | | | |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | | | |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 0 | 0 | 1 | 1 | 1 | 1 | | | |
| | | | | | | | | 0.064 | | |
| | | | | | | | | <=0.5 | 1 | |
| | | | | | | | | 1 | | 1 |
| | | | | | | | | <=4 | | 1 |
| | | | | | | | | >16 | | 1 |
| | | | | | | | | >32 | | 1 |
| | | | | | | | | >512 | | 1 |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Coeln in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------|--------------------------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| | Lowest limit | | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | Highest limit | | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | N of tested isolates | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | N of resistant isolates | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | MIC | | | | | | | | | |
| | <=0.25 | | | | | 1 | 1 | | | |
| | 0.5 | | | | | | | 1 | | |
| | <=1 | | | 1 | | | | | | 1 |
| | <=4 | | 1 | | | | | | | |
| | 4 | | | | 1 | | | | | |
| | <=8 | | | | | | | 1 | | |
| ESBL Genes | Not Available | | | | | | | | | |
| AMP C Genes | Not Available | | | | | | | | | |
| CARBA Genes | Not Available | | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | | 1 | | | | | |
| | | | | | | 1 | |
| | 1 | | | | | | |
| | | | | | | | 1 |
| | | | | | 1 | | |
| | | | 1 | | | | |
| | | | | 1 | | | |

CARBA Genes
Not Available

AMPC Genes
Not Available

ESBL Genes
Not Available

Table Antimicrobial susceptibility testing of Salmonella Corvallis in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | |
|------------|------------|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|---|
| ESBL Genes | AMPC Genes | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | |
| | | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | |
| | | Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | |
| | | N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | MIC | | | | | | | | | |
| | | <=0.015 | | | | | | | 2 | | |
| | | <=0.25 | | | | | 2 | 2 | | | |
| | | <=1 | | | 2 | | | | | | 2 |
| | | <=4 | | 2 | | | | | | | |
| 4 | | | | 1 | | | | | | | |
| <=8 | | | | | | | 2 | | | | |
| 8 | | | | 1 | | | | | | | |

CARBA Genes
Not Available

AMPC Genes
Not Available

ESBL Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-----------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 2 | | | | | |
| | <=0.25 | | | | | 2 | 2 |
| | <=0.5 | 1 | | | | | |
| | 1 | 1 | | | | | |
| | <=2 | | | | 2 | | |
| | <=4 | | 2 | | | | |
| | 32 | | | 2 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Corvallis in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMPC Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|------------|-------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | | | |
| N of resistant isolates | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | | | |
| MIC | <=0.015 | | | | | | | 18 | | | |
| | 0.03 | | | | | | | 1 | | | |
| | <=0.25 | | | | 20 | | 18 | | | | |
| | 0.25 | | | | | | | 1 | | | |
| | 0.5 | | | | | | 2 | | | | |
| | <=1 | | | 16 | | | | | 19 | | |
| | <=2 | | | | 1 | | | | | | |
| | 2 | | | 3 | | | | | 1 | | |
| | <=4 | | 20 | | | | | | | | |
| | 4 | | | | 16 | | | | | | |
| | <=8 | | | | | | 20 | | | | |
| | 8 | | | | 3 | | | | | | |
| | >32 | | | 1 | | | | | | | |

Table Antimicrobial susceptibility testing of Salmonella Derby in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| MIC | | | | | | | | |
| | | | | 1 | | | | |
| | | | | | 1 | | 1 | |
| | | | | | | | | 1 |
| | 1 | | | | | | | |
| | | | | | | 1 | | |
| | | | 1 | | | | | |
| | | 1 | | | | | | |
| | | | | | | | | |

ESBL Genes
Not Available

AMP C Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|--------|--------|-----|
| | | | | | | | | <=0.03 | <=0.25 | 0.5 |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | | | |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | | | |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | | |
| | | | | | | | | <=0.03 | | 1 |
| | | | | | | | | <=0.25 | | 1 |
| | | | | | | | | 0.5 | | 1 |
| | | | | | | | | 1 | 1 | |
| | | | | | | | | <=2 | | 1 |
| | | | | | | | | 16 | 1 | 1 |

CARBA Genes
Not Available

AMPC Genes
Not Available

ESBL Genes
Not Available

Table Antimicrobial susceptibility testing of Salmonella Derby in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|-------------|-------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | | | |
| N of resistant isolates | 0 | 67 | 0 | 0 | 0 | 0 | 68 | 0 | | | |
| MIC | <=0.25 | | | 63 | | | | | | | |
| | 0.25 | | | | | | 1 | | | | |
| | 0.5 | | | | 5 | 34 | 67 | | | | |
| | <=1 | | 1 | | | | | 68 | | | |
| | 1 | | | | | 34 | | | | | |
| | <=4 | | 68 | | | | | | | | |
| | 4 | | | 1 | | | | | | | |
| | <=8 | | | | | | 46 | | | | |
| | 8 | | | 66 | | | | | | | |
| | 16 | | | 1 | | | 22 | | | | |
| | >32 | | | 67 | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| N of resistant isolates | 0 | 0 | 68 | 0 | 1 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 67 | | | | | |
| | 0.064 | 1 | | | | | |
| | <=0.25 | | | | | 32 | 13 |
| | <=0.5 | 57 | | | | | |
| | 0.5 | | | | | 36 | 52 |
| | 1 | 11 | | | | | 3 |
| | <=2 | | | | 66 | | |
| | 4 | | | | 1 | | |
| | 16 | | 21 | 40 | | | |
| | 32 | | 46 | 25 | | | |
| | >32 | | | | 1 | | |
| | 64 | | | 3 | | | |
| | >64 | | 1 | | | | |

CARBA Genes
AMPC Genes
ESBL Genes

Not Available
Not Available
Not Available

Table Antimicrobial susceptibility testing of Salmonella Derby in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|-------------|-------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| N of resistant isolates | 0 | 7 | 0 | 0 | 0 | 0 | 6 | 0 | | | |
| MIC | 0.03 | | | | | | | 1 | | | |
| | <=0.25 | | | 7 | | | | | | | |
| | 0.25 | | | | | | | 1 | | | |
| | 0.5 | | | | | | 3 | 4 | | | |
| | <=1 | | | | | | | | 6 | | |
| | 1 | | | | | | 4 | 1 | | | |
| | 2 | | | | | | | | 1 | | |
| | <=4 | | 7 | | | | | | | | |
| | <=8 | | | | | | | 6 | | | |
| | 8 | | | | 6 | | | | | | |
| | 16 | | | | 1 | | | 1 | | | |
| | >32 | | | 7 | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| N of resistant isolates | 0 | 0 | 5 | 2 | 2 | 0 | 2 |
| MIC | | | | | | | |
| <=0.03 | | 7 | | | | | |
| <=0.25 | | | | | | 3 | 2 |
| <=0.5 | 7 | | | | | | |
| 0.5 | | | | | | 4 | 3 |
| <=2 | | | | | 4 | | |
| 4 | | | | | 1 | | |
| 8 | | | 2 | | | | |
| 16 | | | 2 | 1 | | | |
| >16 | | | | | | | 2 |
| 32 | | | 2 | 4 | | | |
| >32 | | | | | 2 | | |
| >64 | | | 1 | | | | |
| >512 | | | | 2 | | | |

CARBA Genes
AMPC Genes
ESBL Genes

Not Available
Not Available
Not Available

Table Antimicrobial susceptibility testing of Salmonella Derby in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | MIC | | |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|------------|-------------|-------------|
| | | | | | | | | | ESBL Genes | AMP C Genes | CARBA Genes |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | | | | | | 1 | | | | |
| | | | | 1 | | | | | | | |
| | | | | | 1 | | | | | | |
| | | | | | | | | | 1 | | |
| | 1 | | | | | | | | | | |
| | | 1 | | | | | | | | | |
| | | | | | | | 1 | | | | |
| | | | 1 | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | | 1 | | | | | |
| | | | | | | 1 | 1 |
| | 1 | | | | | | |
| | | | | | 1 | | |
| | | | 1 | | | | |
| | | | | 1 | | | |
| | | | | | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Derby in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | Genes | | |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|------------|------------|-------------|
| | | | | | | | | | ESBL Genes | AMPC Genes | CARBA Genes |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MIC | | | | | | | | | | | |
| | | | | | | | 1 | | | | |
| | | | | 1 | | | | | | | |
| | | | | | 1 | | | | | | |
| | | 1 | | | | | | | 1 | | |
| | | | 1 | | | | | | | | |
| | | | | | | 1 | | | | | |
| | | | | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | <=0.5 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 16 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Durban in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|---------------|---------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MIC | | | | | | | | | | | |
| Not Available | Not Available | Not Available | <=0.015 | | | | | | 1 | | |
| Not Available | Not Available | Not Available | <=0.25 | | | | 1 | 1 | | | |
| Not Available | Not Available | Not Available | <=1 | | 1 | | | | | | 1 |
| Not Available | Not Available | Not Available | <=4 | 1 | | | | | | | |
| Not Available | Not Available | Not Available | 4 | | | 1 | | | | | |
| Not Available | Not Available | Not Available | <=8 | | | | | | 1 | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | <=0.5 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 64 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella enterica, subspecies enterica in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | Genes | | |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|------------|------------|-------------|
| | | | | | | | | | ESBL Genes | AMPC Genes | CARBA Genes |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| N of resistant isolates | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | | | |
| MIC | | | | | | | | | | | |
| | | | | <=0.25 | | | | | | | |
| | | | | 0.5 | | | | | | | |
| | | | | <=1 | | | | | | | |
| | | | | 1 | | | | | | | |
| | | | | 2 | | | | | | | |
| | | | | <=4 | | | | | | | |
| | | | | <=8 | | | | | | | |
| | | | | 8 | | | | | | | |
| | | | | >32 | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|---------------|---------------|---------------|
| | | | | | | | | ESBL Genes | AMPC Genes | CARBA Genes |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | Not Available | Not Available | Not Available |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | Not Available | Not Available | Not Available |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | Not Available | Not Available | Not Available |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | Not Available | Not Available | Not Available |
| N of resistant isolates | 1 | 0 | 2 | 1 | 1 | 0 | 1 | Not Available | Not Available | Not Available |
| <=0.03 | | 2 | | | | | | Not Available | Not Available | Not Available |
| <=0.25 | | | | | | 1 | | Not Available | Not Available | Not Available |
| <=0.5 | 1 | | | | | | | Not Available | Not Available | Not Available |
| 0.5 | | | | | | 1 | 1 | Not Available | Not Available | Not Available |
| <=2 | | | | | 1 | | | Not Available | Not Available | Not Available |
| 16 | | | | 1 | | | | Not Available | Not Available | Not Available |
| >16 | 1 | | | | | | 1 | Not Available | Not Available | Not Available |
| >32 | | | | | 1 | | | Not Available | Not Available | Not Available |
| >64 | | | 2 | | | | | Not Available | Not Available | Not Available |
| >512 | | | | 1 | | | | Not Available | Not Available | Not Available |

Table Antimicrobial susceptibility testing of *Salmonella enterica*, subspecies *enterica* in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|-------------|-------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MIC | 0.03 | | | | | | | 1 | | | |
| | <=0.25 | | | 1 | | | | | | | |
| | 0.5 | | | | | 1 | | | | | |
| | <=1 | | | 1 | | | | 1 | | | |
| | <=4 | | 1 | | | | | | | | |
| | <=8 | | | | | | 1 | | | | |
| | 8 | | 1 | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | <=0.5 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 64 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of *Salmonella enterica*, subspecies *enterica* in *Gallus gallus* (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | |
|--|-------------------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|--|
| | ECOFF | | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | |
| | Lowest limit | | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | |
| | Highest limit | | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | |
| | N of tested isolates | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | N of resistant isolates | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | MIC | | | | | | | | | | |
| | | | | | | | | | | | |
| ESBL Genes AMP C Genes CARBA Genes | Not Available | <=0.015 | | | | | | | 1 | | |
| | Not Available | <=0.25 | | | | 1 | | | | | |
| | Not Available | 0.5 | | | | | 1 | | | | |
| | Not Available | <=1 | | | | | | | | 1 | |
| | Not Available | 2 | | 1 | | | | | | | |
| | Not Available | <=4 | 1 | | | | | | | | |
| | Not Available | <=8 | | | | | | 1 | | | |
| | Not Available | 8 | | | 1 | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | 0.064 | 1 | | | | | |
| | <=0.25 | | | | | | 1 |
| | 0.5 | | | | | 1 | |
| | 1 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 32 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Enteritidis in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|---------------|---------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MIC | | | | | | | | | | | |
| Not Available | Not Available | Not Available | <=0.015 | | | | | | 1 | | |
| Not Available | Not Available | Not Available | <=0.25 | | | 1 | 1 | | | | |
| Not Available | Not Available | Not Available | <=1 | | 1 | | | | | | 1 |
| Not Available | Not Available | Not Available | <=4 | 1 | | | | | | | |
| Not Available | Not Available | Not Available | 4 | | | 1 | | | | | |
| Not Available | Not Available | Not Available | <=8 | | | | | | 1 | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | | 1 | | | | | |
| | | | | | | 1 | 1 |
| | 1 | | | | | | |
| | | | | | 1 | | |
| | | | 1 | | | | |
| | | | | 1 | | | |
| | | | | | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Enteritidis in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------|---------------|--------------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| | | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | | Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | | N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | MIC | | | | | | | | | |
| | | <=0.015 | | | | | | 2 | | |
| | | <=0.25 | | | | 2 | 2 | | | |
| | | <=1 | | 2 | | | | | | 2 |
| | | <=4 | 2 | | | | | | | |
| | | 4 | | | 2 | | | | | |
| | | <=8 | | | | | | 2 | | |
| ESBL Genes | Not Available | | | | | | | | | |
| AMP C Genes | Not Available | | | | | | | | | |
| CARBA Genes | Not Available | | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|--------|--------|-------|
| | | | | | | | | <=0.03 | <=0.25 | <=0.5 |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | | | |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | | | |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | | | |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | | | | | | | <=0.03 | | 2 |
| | | | | | | | | <=0.25 | | 2 |
| | | | | | | | | <=0.5 | 2 | |
| | | | | | | | | <=2 | | 2 |
| | | | | | | | | <=4 | | 2 |
| | | | | | | | | 32 | | 2 |

CARBA Genes
AMPC Genes
ESBL Genes

Not Available
Not Available
Not Available

Table Antimicrobial susceptibility testing of Salmonella Enteritidis in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|---------------|---------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MIC | | | | | | | | | | | |
| Not Available | Not Available | Not Available | <=0.015 | | | | | | 1 | | |
| Not Available | Not Available | Not Available | <=0.25 | | | 1 | 1 | | | | |
| Not Available | Not Available | Not Available | <=1 | | 1 | | | | | | 1 |
| Not Available | Not Available | Not Available | <=4 | 1 | | | | | | | |
| Not Available | Not Available | Not Available | 4 | | | 1 | | | | | |
| Not Available | Not Available | Not Available | <=8 | | | | | | 1 | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | | 1 |
| | <=0.5 | 1 | | | | | |
| | 0.5 | | | | | 1 | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 32 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes
 Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Enteritidis in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|---------------|---------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | | | |
| MIC | | | | | | | | | | | |
| Not Available | Not Available | Not Available | <=0.015 | | | | | | 4 | | |
| | | | 0.03 | | | | | | 10 | | |
| | | | 0.125 | | | | | | 1 | | |
| | | | <=0.25 | | | 26 | 25 | | | | |
| | | | 0.25 | | | | | | 11 | | |
| | | | 0.5 | | | | 1 | | | | |
| | | | <=1 | | 10 | | | | | | 19 |
| | | | 2 | | 16 | | | | | | 7 |
| | | | <=4 | 26 | | | | | | | |
| | | | 4 | | | 14 | | | | | |
| | | | <=8 | | | | | | 26 | | |
| | | | 8 | | | 12 | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|------------|------------|-------------|
| | | | | | | | | ESBL Genes | AMPC Genes | CARBA Genes |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | | | |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | | | |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | | | |
| N of tested isolates | 26 | 26 | 26 | 26 | 26 | 26 | 26 | | | |
| N of resistant isolates | 0 | 0 | 11 | 0 | 0 | 0 | 0 | | | |
| | | | | | | | | <=0.03 | | 25 |
| | | | | | | | | 0.064 | | 1 |
| | | | | | | | | <=0.25 | | 26 |
| | | | | | | | | <=0.5 | 26 | |
| | | | | | | | | 0.5 | | 5 |
| | | | | | | | | <=2 | | 26 |
| | | | | | | | | <=4 | | 14 |
| | | | | | | | | 8 | | 1 |
| | | | | | | | | 16 | | 5 |
| | | | | | | | | 32 | | 12 |
| | | | | | | | | 64 | | 9 |
| | | | | | | | | >64 | | 11 |

Table Antimicrobial susceptibility testing of Salmonella Freiburg in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | MIC | ESBL Genes | AMP C Genes | CARBA Genes |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|--------|------------|-------------|-------------|
| | | | | | | | | | | | | |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | | | | | | 1 | | 0.03 | | | |
| | | | | 1 | | | | | <=0.25 | | | |
| | | | | | 1 | | | | 0.5 | | | |
| | | | | | | | | 1 | <=1 | | | |
| | | 1 | | | | | | | 2 | | | |
| | 1 | | | | | | | | <=4 | | | |
| | | | 1 | | | | | | 4 | | | |
| | | | | | | 1 | | | <=8 | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|--------|--------|-------|
| | | | | | | | | <=0.03 | <=0.25 | <=0.5 |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | | | |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | | | |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | | | | | | | <=0.03 | | 1 |
| | | | | | | | | <=0.25 | | |
| | | | | | | | | <=0.5 | 1 | |
| | | | | | | | | 0.5 | | 1 |
| | | | | | | | | <=2 | | 1 |
| | | | | | | | | <=4 | | 1 |
| | | | | | | | | 16 | | 1 |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Fresno in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | MIC | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|---------------|---------------|--------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Not Available | Not Available | Not Available | 0.03 | | | | | | | | 1 | |
| Not Available | Not Available | Not Available | <=0.25 | | | | 1 | 1 | | | | |
| Not Available | Not Available | Not Available | <=1 | | | 1 | | | | | | 1 |
| Not Available | Not Available | Not Available | <=4 | | 1 | | | | | | | |
| Not Available | Not Available | Not Available | 4 | | | | 1 | | | | | |
| Not Available | Not Available | Not Available | <=8 | | | | | | | 1 | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | |
| | <=0.5 | 1 | | | | | |
| | 0.5 | | | | | | 1 |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 64 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Goetzau in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | 0.03 | | | | | | 1 | |
| | <=0.25 | | | 1 | 1 | | | |
| | <=1 | | | | | | | 1 |
| | 2 | 1 | | | | | | |
| | <=4 | 1 | | | | | | |
| | 4 | | 1 | | | | | |
| | <=8 | | | | | 1 | | |

ESBL Genes
Not Available

AMP C Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | 1 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 64 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes
 Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Goldcoast in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 3 | |
| | | | | 3 | | | | |
| | | | | | 3 | | | |
| | | 3 | | | | | | 3 |
| | 3 | | | | | | | |
| | | | 3 | | | | | |
| | | | | | | 3 | | |
| | | | | | | | | |

ESBL Genes
Not Available

AMPC Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|--------|--------|-------|
| | | | | | | | | <=0.03 | <=0.25 | <=0.5 |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | | | |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | | | |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | | | |
| N of tested isolates | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | | | | | | | <=0.03 | | 3 |
| | | | | | | | | <=0.25 | | 3 |
| | | | | | | | | <=0.5 | 3 | |
| | | | | | | | | 0.5 | | 1 |
| | | | | | | | | <=2 | | 3 |
| | | | | | | | | <=4 | | 2 |
| | | | | | | | | 8 | | 1 |
| | | | | | | | | 32 | | 3 |

CARBA Genes
Not Available

AMPC Genes
Not Available

ESBL Genes
Not Available

Table Antimicrobial susceptibility testing of Salmonella Havana in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 1 | |
| | | | | 1 | | | | |
| | | | | | 1 | | | |
| | | | | | | | | 1 |
| | 1 | 1 | | | | | | |
| | | | | | | 1 | | |
| | | | 1 | | | | | |

ESBL Genes
 AMPC Genes
 CARBA Genes
 Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Havana in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | MIC | ESBL Genes | AMP C Genes | CARBA Genes |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|--------|---------------|---------------|---------------|
| | | | | | | | | | | Not Available | Not Available | Not Available |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | | |
| N of tested isolates | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | | | | | | 3 | | 0.03 | | | |
| | | | | 3 | | | | | <=0.25 | | | |
| | | | | | 3 | | | | 0.5 | | | |
| | | 3 | | | | | | | <=1 | | | |
| | 3 | | | | | | | | <=4 | | | |
| | | | | | | 2 | | | <=8 | | | |
| | | | 3 | | | | | | 8 | | | |
| | | | | | | 1 | | | 16 | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 3 | | | | | |
| | <=0.25 | | | | | 3 | 3 |
| | <=0.5 | 2 | | | | | |
| | 1 | 1 | | | | | |
| | <=2 | | | | 3 | | |
| | <=4 | | 3 | | | | |
| | 32 | | | 1 | | | |
| | 64 | | | 2 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Heidelberg in Meat from broilers (Gallus gallus) - fresh - frozen

Sampling Stage: Border Control Posts

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON pn12

Analytical Method: Macromethod broth dilution and plates incubation (Dilution - broth on agar plates)

Country Of Origin: Brazil

Sampling Details: N_A

| AM substance | Cefepime | Cefotaxim | Cefotaxime + Clavulanic acid | Cefoxitin | Ceftazidim | Ceftazidime + Clavulanic acid | Ertapenem | Imipenem | Meropenem | Temocillin |
|--------------------------------|--------------|-----------|------------------------------|-----------|------------|-------------------------------|-----------|----------|-----------|------------|
| | ECOFF | 0.125 | 0.5 | 0.5 | 8 | 2 | 2 | 0.064 | 1 | 0.125 |
| Lowest limit | 0.064 | 0.25 | 0.064 | 0.5 | 0.25 | 0.125 | 0.015 | 0.125 | 0.03 | 0.5 |
| Highest limit | 32 | 64 | 64 | 64 | 128 | 128 | 2 | 16 | 16 | 128 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | | | |
| | 0.064 | | | | | | 1 | | 1 | |
| | 0.5 | 1 | | | | | | 1 | | |
| | 8 | | | | | | | | | 1 |
| | 16 | 1 | 1 | | | 1 | | | | |
| | 32 | | | | 1 | | | | | |
| | 64 | | | 1 | | | | | | |

ESBL Genes
Not Available

AMPc Genes
Not Available

CARBA Genes
Not Available

Table Antimicrobial susceptibility testing of Salmonella Heidelberg in Meat from broilers (Gallus gallus) - fresh - frozen

Sampling Stage: Border Control Posts

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method: Macromethod broth dilution and plates incubation (Dilution - broth on agar plates)

Country Of Origin: Brazil

Sampling Details: N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | MIC | ESBL Genes | AMP C Genes | CARBA Genes |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|-----|---------------|---------------|---------------|
| | | | | | | | | | | Not Available | Not Available | Not Available |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | | |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | | |
| N of resistant isolates | 0 | 1 | 0 | 1 | 1 | 0 | 2 | 0 | | | | |
| | | | | 1 | 1 | | | | | | | |
| | | | | | | | 2 | | | | | |
| | | | | | | | | 2 | | | | |
| | | 1 | | | | | | | | | | |
| | 2 | | | | | | | | | | | |
| | | | 1 | | | | | | | | | |
| | | | | 1 | | | | | | | | |
| | | | | | 1 | | | | | | | |
| | | | | | | 2 | | | | | | |
| | | | 1 | | | | | | | | | |
| | | | | | 1 | | | | | | | |
| | | 1 | | | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-----------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| N of resistant isolates | 0 | 0 | 2 | 2 | 2 | 1 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | 0.064 | 1 | | | | | |
| | <=0.25 | | | | | | 2 |
| | <=0.5 | 2 | | | | | |
| | 0.5 | | | | | 1 | |
| | 1 | | | | | 1 | |
| | >32 | | | | 2 | | |
| | >64 | | 2 | | | | |
| | >512 | | | 2 | | | |

CARBA Genes
Not Available

AMPC Genes
Not Available

ESBL Genes
Not Available

Table Antimicrobial susceptibility testing of Salmonella Hvittingfoss in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | ESBL Genes | | | AMP C Genes | | | CARBA Genes | | |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|------------|---|---|-------------|---|---|-------------|---|---|
| | | | | | | | | | MIC | 0 | 1 | 2 | 0 | 1 | 2 | 0 | 1 |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | | | | | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | | | | | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | | | | | | | |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | | | | | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | |
| | | | | | | | 2 | | | | | | | | | | |
| | | | | 2 | | 1 | | | | | | | | | | | |
| | | | | | 1 | | | | | | | | | | | | |
| | | 2 | | | | | | | 1 | | | | | | | | |
| | 2 | | | | | | | | | | | | | | | | |
| | <=4 | | | | | | | | | | | | | | | | |
| | <=8 | | | | | 2 | | | | | | | | | | | |
| | 8 | | 2 | | | | | | | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-----------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 2 | | | | | |
| | <=0.25 | | | | | 2 | 2 |
| | <=0.5 | 1 | | | | | |
| | 1 | 1 | | | | | |
| | <=2 | | | | 2 | | |
| | <=4 | | 2 | | | | |
| | 32 | | | 2 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella I 4,12:b:- in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | Genes | | |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|------------|-------------|-------------|
| | | | | | | | | | ESBL Genes | AMP C Genes | CARBA Genes |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MIC | | | | | | | | | | | |
| | | | | | | | 1 | | | | |
| | | | | 1 | | | | | | | |
| | | | | | 1 | | | | | | |
| | | | | | | | | 1 | | | |
| | 1 | | | | | | | | | | |
| | | 1 | | | | | | | | | |
| | | | 1 | | | | | | | | |
| | | | | | | 1 | | | | | |
| | | | | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | |
| | <=0.5 | 1 | | | | | |
| | 0.5 | | | | | | 1 |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 32 | | | 1 | | | |

CARBA Genes
Not Available

AMPC Genes
Not Available

ESBL Genes
Not Available

Table Antimicrobial susceptibility testing of Salmonella II 42:b:e,n,x,z15 in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|---|-----|--------------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| | | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | | Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | | N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESBL Genes AMPC Genes CARBA Genes | MIC | | | | | | | | | |
| | | <=0.015 | | | | | | | 1 | |
| | | <=0.25 | | | | 1 | | | | |
| | | 0.5 | | | | | 1 | | | |
| | | <=1 | | 1 | | | | | | 1 |
| | | <=4 | 1 | | | | | | | |
| | | <=8 | | | | | | 1 | | |
| | | 8 | | | 1 | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|--------|--------|-------|
| | | | | | | | | 0.064 | <=0.25 | <=0.5 |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | | | |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | | | |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | | | | | | | 0.064 | | 1 |
| | | | | | | | | <=0.25 | | 1 |
| | | | | | | | | <=0.5 | 1 | |
| | | | | | | | | <=2 | | 1 |
| | | | | | | | | 8 | | 1 |
| | | | | | | | | 16 | | 1 |

CARBA Genes
Not Available

AMPC Genes
Not Available

ESBL Genes
Not Available

Table Antimicrobial susceptibility testing of Salmonella Indiana in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 1 | |
| | | | | 1 | 1 | | | |
| | | 1 | | | | | | 1 |
| | 1 | | | | | | | |
| | | | 1 | | | | | |
| | | | | | | 1 | | |

ESBL Genes
Not Available

AMP C Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| MIC | | | | | | | |
| | | 1 | | | | | |
| | | | | | | 1 | 1 |
| | 1 | | | | | | |
| | | | 1 | | | | |
| | | | | | 1 | | |
| | | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Infantis in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|------------|-------------|-------------|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 |
| | | | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | | | Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | | | N of tested isolates | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | | | N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| | | | MIC | | | | | | | | |
| | | | <=0.25 | | | | 4 | 1 | | | |
| | | | 0.5 | | | | | 2 | | 4 | |
| | | | <=1 | | 2 | | | | | | 4 |
| | | | 1 | | | | | 1 | | | |
| | | | 2 | | 2 | | | | | | |
| | | | <=4 | 4 | | | | | | | |
| | | | <=8 | | | | | | 4 | | |
| | | | 8 | | | 3 | | | | | |
| | | | 16 | | | 1 | | | | | |

| | | AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|------------|---------------|--------------------------------|------------|--------------|----------------|------------------|--------------|-------------|--------------|
| | | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 |
| | | Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| | | Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| | | N of tested isolates | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | | N of resistant isolates | 0 | 0 | 4 | 4 | 4 | 0 | 3 |
| MIC | | | | | | | | | |
| | Not Available | <=0.03 | | 4 | | | | | |
| | Not Available | <=0.25 | | | | | | | 1 |
| | Not Available | <=0.5 | 3 | | | | | | |
| | Not Available | 0.5 | | | | | | 4 | |
| | Not Available | 1 | 1 | | | | | | |
| | Not Available | >16 | | | | | | | 3 |
| | Not Available | >32 | | | | | 4 | | |
| | Not Available | >64 | | | 4 | | | | |
| | Not Available | >512 | | | | 4 | | | |

Table Antimicrobial susceptibility testing of Salmonella Infantis in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | | |
|------------|-------------|-------------|--------------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|--|--|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | |
| | | | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | |
| | | | Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | |
| | | | N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | | | N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | | |
| ESBL Genes | AMP C Genes | CARBA Genes | MIC | | | | | | | | | | |
| | | | <=0.25 | | | | | | | | | | |
| | | | 0.5 | | | | | | | | | | |
| | | | <=1 | | | | | | | | | | |
| | | | 2 | | | | | | | | | | |
| | | | <=4 | 1 | | | | | | | | | |
| | | | <=8 | | | | | | | | | | |
| | | | 8 | | | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|--------|-------|------|
| | | | | | | | | <=0.03 | <=0.5 | >0.5 |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | | | |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | | | |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 0 | 1 | 1 | 1 | 0 | 1 | | | |
| | | | | | | | | <=0.03 | | 1 |
| | | | | | | | | <=0.5 | 1 | |
| | | | | | | | | 0.5 | | 1 |
| | | | | | | | | >16 | | 1 |
| | | | | | | | | >32 | | 1 |
| | | | | | | | | >64 | 1 | |
| | | | | | | | | >512 | | 1 |

CARBA Genes
Not Available

AMPC Genes
Not Available

ESBL Genes
Not Available

Table Antimicrobial susceptibility testing of Salmonella Infantis in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|------------|-------------|-------------|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 |
| | | | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | | | Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | | | N of tested isolates | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| | | | N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 |
| | | | MIC | | | | | | | | |
| | | | <=0.015 | | | | | | | 2 | |
| | | | 0.03 | | | | | | | 2 | |
| | | | <=0.25 | | | | 18 | 5 | | | |
| | | | 0.5 | | | | 1 | 11 | | 14 | |
| | | | <=1 | | 2 | | | | | | 19 |
| | | | 1 | | | | | 3 | | 1 | |
| | | | 2 | | 11 | | | | | | |
| | | | <=4 | 19 | | | | | | | |
| | | | 4 | | 6 | 1 | | | | | |
| | | | <=8 | | | | | | 14 | | |
| | | | 8 | | | 15 | | | | | |
| | | | 16 | | | 3 | | | 5 | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|------------|------------|-------------|
| | | | | | | | | ESBL Genes | AMPC Genes | CARBA Genes |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | | | |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | | | |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | | | |
| N of tested isolates | 19 | 19 | 19 | 19 | 19 | 19 | 19 | | | |
| N of resistant isolates | 0 | 0 | 15 | 12 | 12 | 1 | 10 | | | |
| | | | | | | | | <=0.03 | | 19 |
| | | | | | | | | <=0.25 | | 3 |
| | | | | | | | | <=0.5 | 18 | |
| | | | | | | | | 0.5 | | 15 |
| | | | | | | | | 1 | 1 | |
| | | | | | | | | <=2 | | 7 |
| | | | | | | | | <=4 | | 4 |
| | | | | | | | | 16 | | 1 |
| | | | | | | | | >16 | | 10 |
| | | | | | | | | 32 | | 3 |
| | | | | | | | | >32 | | 12 |
| | | | | | | | | 64 | | 3 |
| | | | | | | | | >64 | | 15 |
| | | | | | | | | >512 | | 12 |

Table Antimicrobial susceptibility testing of Salmonella Infantis in Meat from broilers (Gallus gallus) - fresh - frozen

Sampling Stage: Border Control Posts

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON pn12

Analytical Method: Macromethod broth dilution and plates incubation (Dilution - broth on agar plates)

Country Of Origin: Brazil

Sampling Details: N_A

| AM substance | Cefepime | Cefotaxim | Cefotaxime + Clavulanic acid | Cefoxitin | Ceftazidim | Ceftazidime + Clavulanic acid | Ertapenem | Imipenem | Meropenem | Temocillin |
|--------------------------------|--------------|-----------|------------------------------|-----------|------------|-------------------------------|-----------|----------|-----------|------------|
| | ECOFF | 0.125 | 0.5 | 0.5 | 8 | 2 | 2 | 0.064 | 1 | 0.125 |
| Lowest limit | 0.064 | 0.25 | 0.064 | 0.5 | 0.25 | 0.125 | 0.015 | 0.125 | 0.03 | 0.5 |
| Highest limit | 32 | 64 | 64 | 64 | 128 | 128 | 2 | 16 | 16 | 128 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | | | |
| | | | | | | | 1 | | | |
| | | | | | | | | | 1 | |
| | | 1 | | | | | | | | |
| | | | | | | | | 1 | | |
| | | | | | | 1 | | | | |
| | | | | 1 | 1 | | | | | |
| | | | | | | | | | | 1 |
| | 1 | | | | | | | | | |
| | | 1 | | | | | | | | |

ESBL Genes
AMPc Genes
CARBA Genes
Not Available
Not Available
Not Available

Table Antimicrobial susceptibility testing of Salmonella Infantis in Meat from broilers (Gallus gallus) - fresh - frozen

Sampling Stage: Border Control Posts

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method: Macromethod broth dilution and plates incubation (Dilution - broth on agar plates)

Country Of Origin: Brazil

Sampling Details: N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|-------------|-------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| N of resistant isolates | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | | | |
| MIC | 0.03 | | | | | | | 1 | | | |
| | <=0.25 | | | 1 | | | | | | | |
| | 0.5 | | | | | 1 | | 1 | | | |
| | <=1 | | 1 | | | | | 2 | | | |
| | <=4 | | 2 | | | | | | | | |
| | 4 | | | | | 1 | | | | | |
| | >4 | | | | 1 | | | | | | |
| | <=8 | | | | | | 1 | | | | |
| | 8 | | | 2 | | | | | | | |
| | >32 | | 1 | | | | | | | | |
| | >64 | | | | | | 1 | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| N of resistant isolates | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| MIC | | | | | | | |
| | | 2 | | | | | |
| | | | | | | 2 | 2 |
| | 2 | | | | | | |
| | | | | | 1 | | |
| | | | 1 | | | | |
| | | | 1 | | | | |
| | | | | 2 | | | |
| | | | | | 1 | | |
| | | | | | | | |
| | | | | | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Infantis in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| MIC | | | | | | | | |
| <=0.25 | | | | 2 | | | | |
| 0.5 | | | | | 1 | 2 | | |
| <=1 | | | | | | | | 2 |
| 1 | | | | | 1 | | | |
| 2 | 2 | | | | | | | |
| <=4 | 2 | | | | | | | |
| <=8 | | | | | | 2 | | |
| 8 | | | 2 | | | | | |

ESBL Genes
 AMPC Genes
 CARBA Genes
 Not Available
 Not Available
 Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-----------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| N of resistant isolates | 0 | 0 | 2 | 2 | 2 | 2 | 2 |
| MIC | | | | | | | |
| | <=0.03 | 2 | | | | | |
| | <=0.5 | 2 | | | | | |
| | 1 | | | | | 2 | |
| | >16 | | | | | | 2 |
| | >32 | | | | 2 | | |
| | >64 | | 2 | | | | |
| | >512 | | | 2 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Infantis in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| MIC | | | | | | | | |
| <=0.25 | | | | 1 | | | | |
| 0.5 | | | | | 1 | | 1 | |
| <=1 | | | | | | | | 1 |
| 2 | | 1 | | | | | | |
| <=4 | 1 | | | | | | | |
| <=8 | | | | | | 1 | | |
| 8 | | | 1 | | | | | |

ESBL Genes
Not Available

AMP C Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 1 | 1 | 1 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | | 1 |
| | <=0.5 | 1 | | | | | |
| | 0.5 | | | | | 1 | |
| | >32 | | | | 1 | | |
| | >64 | | 1 | | | | |
| | >512 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Infantis in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|------------|-------------|-------------|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 |
| | | | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | | | Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | | | N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | | N of resistant isolates | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| | | | MIC | | | | | | | | |
| | | | <=0.015 | | | | | | | 1 | |
| | | | <=0.25 | | | | 2 | | | | |
| | | | 0.5 | | | | | 1 | | | |
| | | | <=1 | | | | | | | | 2 |
| | | | 1 | | | | | 1 | | | |
| | | | 2 | | 1 | | | | | | |
| | | | <=4 | 2 | | | | | | | |
| | | | 4 | | | | | | | 1 | |
| | | | <=8 | | | | | | 2 | | |
| | | | 8 | | | 2 | | | | | |
| | | | >32 | | 1 | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|------------|------------|-------------|
| | | | | | | | | ESBL Genes | AMPC Genes | CARBA Genes |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | | | |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | | | |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | | | |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| N of resistant isolates | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | | |
| | | | | | | | | <=0.03 | | 2 |
| | | | | | | | | <=0.25 | | |
| | | | | | | | | <=0.5 | 2 | |
| | | | | | | | | 0.5 | | 1 |
| | | | | | | | | <=2 | | 1 |
| | | | | | | | | <=4 | | 1 |
| | | | | | | | | 4 | | 1 |
| | | | | | | | | 16 | | 1 |
| | | | | | | | | 32 | | 1 |
| | | | | | | | | >64 | | 1 |

Table Antimicrobial susceptibility testing of Salmonella Infantis in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMPC Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|------------|-------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | | | |
| MIC | <=0.015 | | | | | | | 4 | | | |
| | 0.03 | | | | | | | 7 | | | |
| | <=0.25 | | | | 12 | | 1 | | | | |
| | 0.5 | | | | | | 11 | | | | |
| | <=1 | | | 6 | | | | | 12 | | |
| | 1 | | | | | | | 1 | | | |
| | 2 | | | 5 | | | | | | | |
| | <=4 | | 12 | | | | | | | | |
| | 4 | | | 1 | 2 | | | | | | |
| | <=8 | | | | | | 12 | | | | |
| | 8 | | | | 9 | | | | | | |
| | 16 | | | | 1 | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|---------------|---------------|---------------|
| | | | | | | | | ESBL Genes | AMPC Genes | CARBA Genes |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | Not Available | Not Available | Not Available |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | Not Available | Not Available | Not Available |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | Not Available | Not Available | Not Available |
| N of tested isolates | 12 | 12 | 12 | 12 | 12 | 12 | 12 | Not Available | Not Available | Not Available |
| N of resistant isolates | 0 | 0 | 1 | 1 | 1 | 0 | 1 | Not Available | Not Available | Not Available |
| <=0.03 | | 12 | | | | | | Not Available | Not Available | Not Available |
| <=0.25 | | | | | | 10 | 9 | Not Available | Not Available | Not Available |
| <=0.5 | 12 | | | | | | | Not Available | Not Available | Not Available |
| 0.5 | | | | | | 2 | 2 | Not Available | Not Available | Not Available |
| <=2 | | | | | 11 | | | Not Available | Not Available | Not Available |
| <=4 | | | 11 | | | | | Not Available | Not Available | Not Available |
| >16 | | | | | | | 1 | Not Available | Not Available | Not Available |
| 32 | | | | 8 | | | | Not Available | Not Available | Not Available |
| >32 | | | | | 1 | | | Not Available | Not Available | Not Available |
| 64 | | | | 3 | | | | Not Available | Not Available | Not Available |
| >64 | | | 1 | | | | | Not Available | Not Available | Not Available |
| >512 | | | | 1 | | | | Not Available | Not Available | Not Available |

Table Antimicrobial susceptibility testing of Salmonella Isangi in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | MIC | ESBL Genes | AMP C Genes | CARBA Genes |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|--------|---------------|---------------|---------------|
| | | | | | | | | | | Not Available | Not Available | Not Available |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | | | | |
| | | | | 1 | | | | | <=0.25 | | | |
| | | | | | 1 | | 1 | | 0.5 | | | |
| | | 1 | | | | | | 1 | <=1 | | | |
| | 1 | | | | | | | | <=4 | | | |
| | | | | | | 1 | | | <=8 | | | |
| | | | 1 | | | | | | 8 | | | |

| | AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | | | |
|--|--------------------------------|------------|--------------|----------------|------------------|--------------|-------------|--------------|-------------|------------|------------|
| | | | | | | | | | CARBA Genes | AMPC Genes | ESBL Genes |
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | | | |
| | Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | | | |
| | Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | | | |
| | N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | N of resistant isolates | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | | |
| | MIC | | | | | | | | | | |
| | <=0.03 | | 1 | | | | | | | | |
| | <=0.25 | | | | | | 1 | 1 | | | |
| | <=0.5 | 1 | | | | | | | | | |
| | <=2 | | | | | 1 | | | | | |
| | 32 | | | 1 | 1 | | | | | | |

Table Antimicrobial susceptibility testing of Salmonella Kapemba in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | Genes | | |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|------------|-------------|-------------|
| | | | | | | | | | ESBL Genes | AMP C Genes | CARBA Genes |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | | | |
| MIC | | | | | | | | | | | |
| | | | | 1 | | | | | | | |
| | | | | | 1 | | | | | | |
| | | | | | | | 1 | | | | |
| | | | | | | | | | 1 | | |
| | 1 | | | | | | | | | | |
| | | | 1 | | | | | | | | |
| | | 1 | | | | | | | | | |
| | | | | | | 1 | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 1 | 1 | 1 | 0 | 1 |
| MIC | | | | | | | |
| | | 1 | | | | | |
| | | | | | | 1 | |
| | 1 | | | | | | |
| | | | | | | | 1 |
| | | | | | 1 | | |
| | | | 1 | | | | |
| | | | | 1 | | | |
| | | | | | | | |

CARBA Genes Not Available
 AMPC Genes Not Available
 ESBL Genes Not Available

Table Antimicrobial susceptibility testing of Salmonella Kedougou in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | Genes | | |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|------------|------------|-------------|
| | | | | | | | | | ESBL Genes | AMPC Genes | CARBA Genes |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | |
| N of resistant isolates | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | | | |
| MIC | | | | | | | | | | | |
| | | | | | | | 2 | | | | |
| | | | | 3 | 3 | | | | | | |
| | | | | | | | 1 | | | | |
| | | 1 | | | | | | 3 | | | |
| | | 1 | | | | | | | | | |
| | 3 | | | | | | | | | | |
| | | | | | | 2 | | | | | |
| | | | 3 | | | | | | | | |
| | | 1 | | | | | | | | | |
| | | | | | | 1 | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|------------|------------|-------------|
| | | | | | | | | ESBL Genes | AMPC Genes | CARBA Genes |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | | | |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | | | |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | | | |
| N of tested isolates | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | |
| N of resistant isolates | 0 | 0 | 0 | 3 | 1 | 0 | 3 | | | |
| | | | | | | | | <=0.03 | | 2 |
| | | | | | | | | 0.064 | | 1 |
| | | | | | | | | <=0.25 | | 3 |
| | | | | | | | | <=0.5 | 3 | |
| | | | | | | | | <=2 | | 2 |
| | | | | | | | | <=4 | | 2 |
| | | | | | | | | 8 | | 1 |
| | | | | | | | | >16 | | 3 |
| | | | | | | | | >32 | | 1 |
| | | | | | | | | >512 | | 3 |

Table Antimicrobial susceptibility testing of Salmonella Kedougou in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|-------------|-------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MIC | 0.03 | | | | | | | 1 | | | |
| | <=0.25 | | | 1 | | | | | | | |
| | 0.5 | | | | | 1 | | | | | |
| | <=1 | | | 1 | | | | 1 | | | |
| | <=4 | | 1 | | | | | | | | |
| | 4 | | | | 1 | | | | | | |
| | <=8 | | | | | | 1 | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | | 1 | | | | | |
| | | | | | | 1 | 1 |
| | 1 | | | | | | |
| | | | | | 1 | | |
| | | | 1 | | | | |
| | | | | 1 | | | |
| | | | | | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Kedougou in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------|--------------------------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| | Lowest limit | | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | Highest limit | | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | N of tested isolates | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | N of resistant isolates | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | MIC | | | | | | | | | |
| | <=0.015 | | | | | | | 1 | | |
| | <=0.25 | | | | | 1 | 1 | | | |
| | <=1 | | | 1 | | | | | | 1 |
| | <=4 | | 1 | | | | | | | |
| | <=8 | | | | | | | 1 | | |
| | 8 | | | | 1 | | | | | |
| ESBL Genes | Not Available | | | | | | | | | |
| AMP C Genes | Not Available | | | | | | | | | |
| CARBA Genes | Not Available | | | | | | | | | |

| | AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|--------------|-----------|----------------|------------------|--------------|-------------|--------------|
| | | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| N of resistant isolates | 0 | 0 | 0 | 1 | 0 | 0 | 1 | |
| MIC | | | | | | | | |
| | <=0.03 | | 1 | | | | | |
| | <=0.25 | | | | | 1 | | |
| | <=0.5 | 1 | | | | | | |
| | <=2 | | | | 1 | | | |
| | <=4 | | 1 | | | | | |
| | >16 | | | | | | 1 | |
| | >512 | | | | 1 | | | |

CARBA Genes Not Available
 AMPC Genes Not Available
 ESBL Genes Not Available

Table Antimicrobial susceptibility testing of Salmonella Kentucky in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | MIC | ESBL Genes | AMP C Genes | CARBA Genes |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|--------|---------------|---------------|---------------|
| | | | | | | | | | | Not Available | Not Available | Not Available |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | | | | |
| | | | | 1 | | | | | <=0.25 | | | |
| | | | | | 1 | | | | 0.5 | | | |
| | | 1 | | | | | | | <=1 | | | |
| | 1 | | | | | | | | <=4 | | | |
| | | | 1 | | | | | | 4 | | | |
| | | | | | | 1 | | | <=8 | | | |
| | | | | | | | 1 | | 8 | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-----------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 1 | 0 | 1 | 1 | 1 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | | 1 |
| | 0.5 | | | | | 1 | |
| | 16 | 1 | | | | | |
| | >32 | | | | 1 | | |
| | >64 | | 1 | | | | |
| | >512 | | | 1 | | | |

CARBA Genes Not Available
 AMPC Genes Not Available
 ESBL Genes Not Available

Table Antimicrobial susceptibility testing of Salmonella Kentucky in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | MIC | ESBL Genes | AMP C Genes | CARBA Genes |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|--------|---------------|---------------|---------------|
| | | | | | | | | | | Not Available | Not Available | Not Available |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| N of resistant isolates | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | | | | |
| | | | | 1 | | | | | <=0.25 | | | |
| | | | | | 1 | | | | 0.5 | | | |
| | | | | | | 1 | | | <=1 | | | |
| | 1 | | | | | | | | <=4 | | | |
| | | | 1 | | | | | | 4 | | | |
| | | | | | | 1 | | | <=8 | | | |
| | | | | | | | 1 | | 8 | | | |
| | | 1 | | | | | | | 32 | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 1 | 0 | 1 | 1 | 1 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | 0.5 | | | | | 1 | 1 |
| | 16 | 1 | | | | | |
| | >32 | | | | 1 | | |
| | >64 | | 1 | | | | |
| | >512 | | | 1 | | | |

CARBA Genes
Not Available

AMPC Genes
Not Available

ESBL Genes
Not Available

Table Antimicrobial susceptibility testing of Salmonella Kentucky in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 1 | |
| | | | | 1 | | | | |
| | | | | | 1 | | | |
| | | 1 | | | | | | 1 |
| | 1 | | | | | | | |
| | | | 1 | | | | | |
| | | | | | | 1 | | |
| | | | | | | | | |

ESBL Genes
Not Available

AMP C Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | <=0.5 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 16 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Kentucky in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 2 | |
| | | | | | | | 2 | |
| | | | | 4 | 1 | | | |
| | | | | | 3 | | | |
| | | 4 | | | | | | 4 |
| | 4 | | | | | | | |
| | | | 3 | | | | | |
| | | | | | | 4 | | |
| | | | 1 | | | | | |

ESBL Genes
Not Available

AMPC Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|--------|--------|-------|
| | | | | | | | | <=0.03 | <=0.25 | <=0.5 |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | | | |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | | | |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | | | |
| N of tested isolates | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | | | | | | | <=0.03 | | 4 |
| | | | | | | | | <=0.25 | 3 | 3 |
| | | | | | | | | <=0.5 | 3 | |
| | | | | | | | | 0.5 | 1 | 1 |
| | | | | | | | | 1 | 1 | |
| | | | | | | | | <=2 | 4 | |
| | | | | | | | | <=4 | 4 | |
| | | | | | | | | 32 | 3 | |
| | | | | | | | | 64 | 1 | |

CARBA Genes
Not Available

AMPC Genes
Not Available

ESBL Genes
Not Available

Table Antimicrobial susceptibility testing of Salmonella Kottbus in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|---------------|---------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MIC | | | | | | | | | | | |
| Not Available | Not Available | Not Available | <=0.015 | | | | | | 1 | | |
| Not Available | Not Available | Not Available | <=0.25 | | | | 1 | 1 | | | |
| Not Available | Not Available | Not Available | <=1 | | 1 | | | | | | 1 |
| Not Available | Not Available | Not Available | <=4 | 1 | | | | | | | |
| Not Available | Not Available | Not Available | 4 | | | 1 | | | | | |
| Not Available | Not Available | Not Available | <=8 | | | | | | 1 | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | | 1 | | | | | |
| | | | | | | 1 | 1 |
| | 1 | | | | | | |
| | | | | | 1 | | |
| | | | 1 | | | | |
| | | | | 1 | | | |
| | | | | | | | |

CARBA Genes Not Available
AMPC Genes Not Available
ESBL Genes Not Available

Table Antimicrobial susceptibility testing of Salmonella Kottbus in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 1 | |
| | | | | 1 | 1 | | | |
| | | 1 | | | | | | 1 |
| | 1 | | | | | | | |
| | | | | | | 1 | | |
| | | | 1 | | | | | |
| | | | | | | | | |

ESBL Genes
Not Available

AMP C Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | <=0.5 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 32 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes
 Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Livingstone in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 1 | |
| | | | | 1 | | | | |
| | | | | | | | | 1 |
| | | | | | 1 | | | |
| | 1 | | | | | | | |
| | | | | | | 1 | | |
| | | | 1 | | | | | |
| | | 1 | | | | | | |

ESBL Genes
 AMP C Genes
 CARBA Genes
 Not Available
 Not Available
 Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | <=0.5 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 32 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes
 Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Llandoff in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 1 | |
| | | | | 1 | | | | |
| | | | | | 1 | | | |
| | | 1 | | | | | | 1 |
| | 1 | | 1 | | | | | |
| | | | | | | 1 | | |
| | | | | | | | | |

ESBL Genes
Not Available

AMPC Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | 1 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 32 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes
 Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Llandoff in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | Genes | | |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|------------|-------------|-------------|
| | | | | | | | | | ESBL Genes | AMP C Genes | CARBA Genes |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MIC | | | | | | | | | | | |
| | | | | | | | 1 | | | | |
| | | | | 1 | | | | | | | |
| | | | | | 1 | | | | | | |
| | | | | | | | | | 1 | | |
| | 1 | 1 | | | | | | | | | |
| | | | 1 | | | | | | | | |
| | | | | | | 1 | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | <=0.5 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 32 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes
 Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella London in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| MIC | | | | | | | | |
| | | | | 1 | | | | |
| | | | | | | | 1 | |
| | | | | | | | | 1 |
| | | | | | 1 | | | |
| | 1 | | | | | | | |
| | | | | | | 1 | | |
| | | | 1 | | | | | |
| | | 1 | | | | | | |

ESBL Genes
 AMP C Genes
 CARBA Genes
 Not Available
 Not Available
 Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 1 | 1 | 0 | 0 | 1 |
| MIC | | | | | | | |
| <=0.03 | | 1 | | | | | |
| <=0.5 | 1 | | | | | | |
| 0.5 | | | | | | 1 | |
| <=2 | | | | | 1 | | |
| >16 | | | | | | | 1 |
| >64 | | | 1 | | | | |
| >512 | | | | 1 | | | |

CARBA Genes Not Available
 AMPC Genes Not Available
 ESBL Genes Not Available

Table Antimicrobial susceptibility testing of Salmonella London in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|------------|-------------|-------------|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 |
| | | | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | | | Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | | | N of tested isolates | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | | | N of resistant isolates | 0 | 10 | 0 | 0 | 0 | 0 | 11 | 0 |
| | | | MIC | | | | | | | | |
| | | | <=0.25 | | | | 9 | 7 | | | |
| | | | 0.25 | | | | | | | 4 | |
| | | | 0.5 | | | | 2 | 2 | | 7 | |
| | | | <=1 | | 1 | | | | | | 11 |
| | | | 1 | | | | | 2 | | | |
| | | | <=4 | 11 | | | | | | | |
| | | | 4 | | | 8 | | | | | |
| | | | <=8 | | | | | | 11 | | |
| | | | 8 | | | 1 | | | | | |
| | | | 16 | | | 2 | | | | | |
| | | | >32 | | 10 | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-----------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| N of resistant isolates | 0 | 0 | 11 | 3 | 0 | 1 | 3 |
| MIC | | | | | | | |
| | <=0.03 | 11 | | | | | |
| | <=0.25 | | | | | 8 | 7 |
| | <=0.5 | 8 | | | | | |
| | 0.5 | | | | | 2 | 1 |
| | 1 | 3 | | | | 1 | |
| | <=2 | | | | 11 | | |
| | 16 | | 2 | | | | |
| | >16 | | | | | | 3 |
| | 32 | | 6 | 3 | | | |
| | 64 | | | 5 | | | |
| | >64 | | 3 | | | | |
| | >512 | | | 3 | | | |

CARBA Genes
AMPC Genes
ESBL Genes

Not Available
Not Available
Not Available

Table Antimicrobial susceptibility testing of Salmonella London in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | Genes | | |
|--------------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|------------|------------|-------------|
| | | | | | | | | | ESBL Genes | AMPC Genes | CARBA Genes |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| N of resistant isolates | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | | | |
| MIC | | | | | | | | | | | |
| | | | | 2 | 2 | | | | | | |
| | | | | | | | 1 | | | | |
| | | | | | | | 1 | | | | |
| | | | | | | | | 2 | | | |
| | 2 | | | | | | | | | | |
| | | | 2 | | | | | | | | |
| | | | | | | 2 | | | | | |
| | | | | | | | | | | | |
| | | 2 | | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-----------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| N of resistant isolates | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 2 | | | | | |
| | <=0.25 | | | | | 2 | 1 |
| | <=0.5 | 2 | | | | | |
| | 0.5 | | | | | | 1 |
| | <=2 | | | | 2 | | |
| | 8 | | 1 | | | | |
| | 16 | | 1 | | | | |
| | 64 | | | 2 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella London in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 2 | |
| | | | | | | | 2 | |
| | | | | 4 | 4 | | | |
| | | 4 | | | | | | 4 |
| | 4 | | | | | | | |
| | | | 4 | | | | | |
| | | | | | | 4 | | |
| | | | | | | | | |

ESBL Genes
 AMPC Genes
 CARBA Genes
 Not Available
 Not Available
 Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|--------|--------|-------|
| | | | | | | | | <=0.03 | <=0.25 | <=0.5 |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | | | |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | | | |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | | | |
| N of tested isolates | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | | | | | | | <=0.03 | | 4 |
| | | | | | | | | <=0.25 | | 2 |
| | | | | | | | | <=0.5 | 4 | |
| | | | | | | | | 0.5 | | 2 |
| | | | | | | | | <=2 | | 4 |
| | | | | | | | | <=4 | | 4 |
| | | | | | | | | 32 | | 3 |
| | | | | | | | | 128 | | 1 |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Mbandaka in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | MIC | ESBL Genes | AMP C Genes | CARBA Genes |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|-----|---------------|---------------|---------------|
| | | | | | | | | | | Not Available | Not Available | Not Available |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | | |
| N of tested isolates | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | | | | | | 6 | | | | | |
| | | | | | | | 2 | | | | | |
| | | | | 8 | 1 | | | | | | | |
| | | | | | 7 | | | | | | | |
| | | 5 | | | | | | 8 | | | | |
| | | 3 | | | | | | | | | | |
| | 8 | | | | | | | | | | | |
| | | | | | | 7 | | | | | | |
| | | | 8 | | | | | | | | | |
| | | | | | | 1 | | | | | | |

Table Antimicrobial susceptibility testing of Salmonella Mbandaka in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | MIC | ESBL Genes | AMP C Genes | CARBA Genes |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|-----|---------------|---------------|---------------|
| | | | | | | | | | | Not Available | Not Available | Not Available |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | | |
| N of tested isolates | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | | | | | | 14 | | | | | |
| | | | | 14 | | | | | | | | |
| | | | | | 14 | | | | | | | |
| | | 11 | | | | | | 14 | | | | |
| | | 3 | | | | | | | | | | |
| | 14 | | | | | | | | | | | |
| | | | | | | 14 | | | | | | |
| | | | 14 | | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|---------------|---------------|---------------|
| | | | | | | | | ESBL Genes | AMPC Genes | CARBA Genes |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | Not Available | Not Available | Not Available |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | Not Available | Not Available | Not Available |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | Not Available | Not Available | Not Available |
| N of tested isolates | 14 | 14 | 14 | 14 | 14 | 14 | 14 | Not Available | Not Available | Not Available |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Not Available | Not Available | Not Available |
| <=0.03 | | 14 | | | | | | Not Available | Not Available | Not Available |
| <=0.25 | | | | | | 12 | 12 | Not Available | Not Available | Not Available |
| <=0.5 | 12 | | | | | | | Not Available | Not Available | Not Available |
| 0.5 | | | | | | 2 | 2 | Not Available | Not Available | Not Available |
| 1 | 1 | | | | | | | Not Available | Not Available | Not Available |
| <=2 | | | | | 14 | | | Not Available | Not Available | Not Available |
| 2 | 1 | | | | | | | Not Available | Not Available | Not Available |
| <=4 | | | 14 | | | | | Not Available | Not Available | Not Available |
| 32 | | | | 11 | | | | Not Available | Not Available | Not Available |
| 64 | | | | 3 | | | | Not Available | Not Available | Not Available |

Table Antimicrobial susceptibility testing of Salmonella Mbandaka in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 1 | |
| | | | | 1 | 1 | | | |
| | | 1 | | | | | | 1 |
| | | | 1 | | | | | |
| | 1 | | | | | | | |
| | | | | | | 1 | | |

ESBL Genes
Not Available

AMP C Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | | 1 | | | | | |
| | | | | | | 1 | 1 |
| | 1 | | | | | | |
| | | | | | 1 | | |
| | | | 1 | | | | |
| | | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Mbandaka in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 1 | |
| | | | | 1 | | | | |
| | | | | | 1 | | | |
| | | | | | | | | 1 |
| | 1 | 1 | | | | | | |
| | | | | | | 1 | | |
| | | | 1 | | | | | |

ESBL Genes
 AMPC Genes
 CARBA Genes
 Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Mbandaka in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|---------------|---------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MIC | | | | | | | | | | | |
| Not Available | Not Available | Not Available | <=0.015 | | | | | | 1 | | |
| Not Available | Not Available | Not Available | <=0.25 | | | 1 | | | | | |
| Not Available | Not Available | Not Available | 0.5 | | | | 1 | | | | |
| Not Available | Not Available | Not Available | <=1 | | 1 | | | | | | 1 |
| Not Available | Not Available | Not Available | <=4 | 1 | | | | | | | |
| Not Available | Not Available | Not Available | <=8 | | | | | | 1 | | |
| Not Available | Not Available | Not Available | 8 | | | 1 | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | 1 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 64 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes
 Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Meleagridis in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--|--------------------------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| | Lowest limit | | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | Highest limit | | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | N of tested isolates | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | N of resistant isolates | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | MIC | | | | | | | | | |
| ESBL Genes AMP C Genes CARBA Genes | Not Available | <=0.25 | | | | 1 | | | | |
| | Not Available | 0.5 | | | | | 1 | | 1 | |
| | Not Available | <=1 | | | | | | | | 1 |
| | Not Available | 2 | | 1 | | | | | | |
| | Not Available | <=4 | 1 | | | | | | | |
| | Not Available | <=8 | | | | | | 1 | | |
| | Not Available | 8 | | | 1 | | | | | |
| | Not Available | | | | | | | | | |

Table Antimicrobial susceptibility testing of Salmonella Miami in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | MIC | ESBL Genes | AMP C Genes | CARBA Genes |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|--------|------------|-------------|-------------|
| | | | | | | | | | | | | |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | | | | | | | | 0.03 | | | |
| | | | | | | | | | <=0.25 | | | |
| | | | | | | | | | 0.5 | | | |
| | | | | | | | | | <=1 | | | |
| | | | | | | | | | 2 | | | |
| | | | | | | | | | <=4 | | | |
| | | | | | | | | | <=8 | | | |
| | | | | | | | | | 8 | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | |
| | 0.5 | | | | | | 1 |
| | <=2 | | | | 1 | | |
| | 2 | 1 | | | | | |
| | <=4 | | 1 | | | | |
| | 64 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Miami in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 1 | |
| | | | | 1 | 1 | | | |
| | | 1 | | | | | | 1 |
| | 1 | | | | | | | |
| | | | | | | 1 | | |
| | | | 1 | | | | | |

ESBL Genes
Not Available

AMPC Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | <=0.5 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | 8 | | 1 | | | | |
| | 64 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes
 Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Mikawasima in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | Genes | | |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|------------|-------------|-------------|
| | | | | | | | | | ESBL Genes | AMP C Genes | CARBA Genes |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MIC | | | | | | | | | | | |
| | | | | | | | 1 | | | | |
| | | | | | | | 1 | | | | |
| | | | | 2 | 2 | | | | | | |
| | | 2 | | | | | | 2 | | | |
| | 2 | | | | | | | | | | |
| | | | 1 | | | | | | | | |
| | | | | | | 2 | | | | | |
| | | | 1 | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-----------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | 0.064 | 1 | | | | | |
| | <=0.25 | | | | | 2 | 2 |
| | <=0.5 | 1 | | | | | |
| | 1 | 1 | | | | | |
| | <=2 | | | | 2 | | |
| | <=4 | | 2 | | | | |
| | 64 | | | 2 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Mikawasima in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------|--------------------------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| | Lowest limit | | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | Highest limit | | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | N of tested isolates | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | N of resistant isolates | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | MIC | | | | | | | | | |
| | <=0.015 | | | | | | | 2 | | |
| | <=0.25 | | | | | 2 | 2 | | | |
| | <=1 | | | 2 | | | | | | 2 |
| | <=4 | | 2 | | | | | | | |
| | <=8 | | | | | | 2 | | | |
| | 8 | | | | 2 | | | | | |
| ESBL Genes | Not Available | | | | | | | | | |
| AMP C Genes | Not Available | | | | | | | | | |
| CARBA Genes | Not Available | | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 2 | | | | | |
| | <=0.25 | | | | | 2 | 2 |
| | <=0.5 | 1 | | | | | |
| | 1 | 1 | | | | | |
| | <=2 | | | | 2 | | |
| | <=4 | | 2 | | | | |
| | 32 | | | 1 | | | |
| | 64 | | | 1 | | | |

CARBA Genes
AMPC Genes
ESBL Genes

Not Available

Not Available

Not Available

Not Available

Not Available

Not Available

Not Available

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Not Available

Not Available

Not Available

Not Available

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Table Antimicrobial susceptibility testing of Salmonella Mikawasima in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------|--------------------------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| | Lowest limit | | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | Highest limit | | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | N of tested isolates | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | N of resistant isolates | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | MIC | | | | | | | | | |
| | <=0.015 | | | | | | | 1 | | |
| | <=0.25 | | | | | 1 | 1 | | | |
| | <=1 | | | 1 | | | | | | 1 |
| | <=4 | | 1 | | | | | | | |
| | 4 | | | | 1 | | | | | |
| | <=8 | | | | | | | 1 | | |
| ESBL Genes | Not Available | | | | | | | | | |
| AMP C Genes | Not Available | | | | | | | | | |
| CARBA Genes | Not Available | | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | 1 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 32 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes
 Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Mikawasima in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 2 | |
| | | | | | | | 2 | |
| | | | | 4 | 4 | | | |
| | | 3 | | | | | | 4 |
| | | 1 | | | | | | |
| | 4 | | | | | | | |
| | | | 1 | | | | | |
| | | | | | | 3 | | |
| | | | 3 | | | | | |
| | | | | | | 1 | | |

ESBL Genes
Not Available

AMPC Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-----------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 3 | | | | | |
| | 0.064 | 1 | | | | | |
| | <=0.25 | | | | | 4 | 3 |
| | <=0.5 | 3 | | | | | |
| | 0.5 | | | | | | 1 |
| | 1 | 1 | | | | | |
| | <=2 | | | | 4 | | |
| | <=4 | | 4 | | | | |
| | 32 | | | 2 | | | |
| | 64 | | | 1 | | | |
| | 128 | | | 1 | | | |

ESBL Genes
 AMPC Genes
 CARBA Genes
 Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Mishmarhaemek in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 1 | |
| | | | | 1 | | | | |
| | | | | | 1 | | | |
| | | 1 | | | | | | 1 |
| | 1 | | | | | | | |
| | | | | | | 1 | | |
| | | | 1 | | | | | |
| | | | | | | | | |

ESBL Genes
Not Available

AMPC Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | <=0.5 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 64 | | | 1 | | | |

CARBA Genes
AMPC Genes
ESBL Genes

Not Available
Not Available
Not Available

Table Antimicrobial susceptibility testing of Salmonella Mishmarhaemek in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 1 | |
| | | | | 1 | | | | |
| | | | | | 1 | | | |
| | | 1 | | | | | | 1 |
| | 1 | | | | | | | |
| | | | | | | 1 | | |
| | | | 1 | | | | | |
| | | | | | | | | |

ESBL Genes
Not Available

AMPC Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|--------|--------|-------|
| | | | | | | | | <=0.03 | <=0.25 | <=0.5 |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | | | |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | | | |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | | | | | | | <=0.03 | | 1 |
| | | | | | | | | <=0.25 | | |
| | | | | | | | | <=0.5 | 1 | |
| | | | | | | | | <=2 | | 1 |
| | | | | | | | | <=4 | | 1 |
| | | | | | | | | 32 | | 1 |

CARBA Genes
 AMPC Genes
 ESBL Genes
 Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Montevideo in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-----------------------------|------------------------------|--------------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| | | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | | Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | | N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | MIC | | | | | | | | |
| ESBL Genes Not Available | AMP C Genes Not Available | CARBA Genes Not Available | <=0.015 | | | | | | | |
| | | | <=0.25 | | | | | | | |
| | | | <=1 | | | | | | | |
| | | | <=4 | | | | | | | |
| | | | <=8 | | | | | | | |
| | | | 8 | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | <=0.5 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 32 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Montevideo in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------|--------------------------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| | Lowest limit | | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | Highest limit | | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | N of tested isolates | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | N of resistant isolates | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | MIC | | | | | | | | | |
| | <=0.015 | | | | | | | 1 | | |
| | <=0.25 | | | | | 1 | 1 | | | |
| | <=1 | | | 1 | | | | | | 1 |
| | <=4 | | 1 | | | | | | | |
| | <=8 | | | | | | | 1 | | |
| | 8 | | | | 1 | | | | | |
| ESBL Genes | Not Available | | | | | | | | | |
| AMP C Genes | Not Available | | | | | | | | | |
| CARBA Genes | Not Available | | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | <=0.5 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 16 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes
 Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Montevideo in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------|--------------------------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| | Lowest limit | | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | Highest limit | | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | N of tested isolates | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | N of resistant isolates | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | MIC | | | | | | | | | |
| | <=0.015 | | | | | | | 1 | | |
| | <=0.25 | | | | | 1 | 1 | | | |
| | <=1 | | | 1 | | | | | | 1 |
| | <=4 | | 1 | | | | | | | |
| | <=8 | | | | | | | 1 | | |
| | 8 | | | | 1 | | | | | |
| ESBL Genes | Not Available | | | | | | | | | |
| AMP C Genes | Not Available | | | | | | | | | |
| CARBA Genes | Not Available | | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|--------|--------|-------|
| | | | | | | | | <=0.03 | <=0.25 | <=0.5 |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | | | |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | | | |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | | | | | | | <=0.03 | | 1 |
| | | | | | | | | <=0.25 | | |
| | | | | | | | | <=0.5 | 1 | |
| | | | | | | | | 0.5 | | 1 |
| | | | | | | | | <=2 | | 1 |
| | | | | | | | | <=4 | | 1 |
| | | | | | | | | 32 | | 1 |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Muenchen in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | MIC | ESBL Genes | AMP C Genes | CARBA Genes |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|-----|---------------|---------------|---------------|
| | | | | | | | | | | Not Available | Not Available | Not Available |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | | |
| N of tested isolates | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | | | | |
| N of resistant isolates | 0 | 7 | 0 | 0 | 0 | 0 | 7 | 0 | | | | |
| | | | | | | | 9 | | | | | |
| | | | | 16 | 6 | | | | | | | |
| | | | | | | | 3 | | | | | |
| | | | | | 10 | | 4 | | | | | |
| | | 8 | | | | | | 16 | | | | |
| | | 1 | | | | | | | | | | |
| | 16 | | | | | | | | | | | |
| | | | 12 | | | | | | | | | |
| | | | | | | 16 | | | | | | |
| | | | 4 | | | | | | | | | |
| | | 7 | | | | | | | | | | |

| | AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|-------------------------|--------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|
| | | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | |
| N of tested isolates | 16 | 16 | 16 | 16 | 16 | 16 | 16 | |
| N of resistant isolates | 0 | 0 | 1 | 0 | 0 | 0 | 0 | |
| MIC | | | | | | | | |
| | <=0.03 | | 16 | | | | | |
| | <=0.25 | | | | | 14 | 10 | |
| | <=0.5 | 14 | | | | | | |
| | 0.5 | | | | | 2 | 6 | |
| | 1 | 2 | | | | | | |
| | <=2 | | | | 16 | | | |
| | <=4 | | 9 | | | | | |
| | 8 | | 6 | | | | | |
| | 16 | | 1 | | | | | |
| | 32 | | | 10 | | | | |
| | 64 | | | 6 | | | | |

| | |
|-------------|---------------|
| ESBL Genes | Not Available |
| AMPC Genes | Not Available |
| CARBA Genes | Not Available |

Table Antimicrobial susceptibility testing of Salmonella Muenchen in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | MIC | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|---------------|---------------|--------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Not Available | Not Available | Not Available | 0.03 | | | | | | | | 1 | |
| Not Available | Not Available | Not Available | <=0.25 | | | | 1 | 1 | | | | |
| Not Available | Not Available | Not Available | <=1 | | | 1 | | | | | | 1 |
| Not Available | Not Available | Not Available | <=4 | | 1 | | | | | | | |
| Not Available | Not Available | Not Available | 4 | | | | 1 | | | | | |
| Not Available | Not Available | Not Available | <=8 | | | | | | | 1 | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | | 1 | | | | | |
| | | | | | | 1 | 1 |
| | 1 | | | | | | |
| | | | | | 1 | | |
| | | | 1 | | | | |
| | | | | 1 | | | |
| | | | | | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Muenchen in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 1 | |
| | | | | 1 | 1 | | | |
| | | 1 | | | | | | 1 |
| | 1 | | | | | | | |
| | | | 1 | | | | | |
| | | | | | | 1 | | |

ESBL Genes
Not Available

AMP C Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | | 1 | | | | | |
| | | | | | | 1 | 1 |
| | 1 | | | | | | |
| | | | | | 1 | | |
| | | | 1 | | | | |
| | | | | 1 | | | |
| | | | | | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes
 Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Newport in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | MIC | | |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|------------|------------|-------------|
| | | | | | | | | | ESBL Genes | AMPC Genes | CARBA Genes |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | | | | | | 1 | | | | |
| | | | | | | | 1 | | | | |
| | | | | 2 | 2 | | | | | | |
| | | 1 | | | | | | 2 | | | |
| | | 1 | | | | | | | | | |
| | 2 | | | | | | | | | | |
| | <=4 | | | | | | | | | | |
| | 4 | | 2 | | | | | | | | |
| | <=8 | | | | | 2 | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | 0.064 | 1 | | | | | |
| | <=0.25 | | | | | 2 | 2 |
| | <=0.5 | 2 | | | | | |
| | <=2 | | | | 2 | | |
| | <=4 | | 2 | | | | |
| | 16 | | | 1 | | | |
| | 32 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Newport in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|---------------|---------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MIC | | | | | | | | | | | |
| Not Available | Not Available | Not Available | <=0.015 | | | | | | 1 | | |
| Not Available | Not Available | Not Available | <=0.25 | | | 1 | 1 | | | | |
| Not Available | Not Available | Not Available | <=1 | | 1 | | | | | | 1 |
| Not Available | Not Available | Not Available | <=4 | 1 | | | | | | | |
| Not Available | Not Available | Not Available | 4 | | | 1 | | | | | |
| Not Available | Not Available | Not Available | <=8 | | | | | | 1 | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | | 1 | | | | | |
| | | | | | | 1 | 1 |
| | 1 | | | | | | |
| | | | | | 1 | | |
| | | | 1 | | | | |
| | | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Newport in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|-------------|-------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MIC | 0.03 | | | | | | | 1 | | | |
| | <=0.25 | | | 1 | | | | | | | |
| | 0.5 | | | | | 1 | | | | | |
| | <=1 | | | 1 | | | | 1 | | | |
| | <=4 | | 1 | | | | | | | | |
| | <=8 | | | | | | 1 | | | | |
| | 8 | | 1 | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | | 1 |
| | <=0.5 | 1 | | | | | |
| | 0.5 | | | | | 1 | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 64 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Newport in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| MIC | | | | | | | | |
| | | | | 1 | 1 | | | |
| | | | | | | | | 1 |
| | 1 | | | | | | | |
| | | | 1 | | | | 1 | |
| | | | | | | 1 | | |
| | | 1 | | | | | | |

ESBL Genes
Not Available

AMPC Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 1 | 1 | 1 | 1 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.5 | 1 | | | | | |
| | 1 | | | | | 1 | 1 |
| | >32 | | | | 1 | | |
| | >64 | | 1 | | | | |
| | >512 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Newport in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 1 | |
| | | | | | | | 2 | |
| | | | | 3 | 2 | | | |
| | | | | | 1 | | | |
| | | 3 | | | | | | 3 |
| | 3 | | | | | | | |
| | | | 2 | | | | | |
| | | | | | | 3 | | |
| | | | 1 | | | | | |

ESBL Genes
Not Available

AMPC Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 3 | | | | | |
| | <=0.25 | | | | | 3 | 3 |
| | <=0.5 | 3 | | | | | |
| | <=2 | | | | 3 | | |
| | <=4 | | 3 | | | | |
| | 32 | | | 1 | | | |
| | 64 | | | 2 | | | |

CARBA Genes
 Not Available
 AMPC Genes
 Not Available
 ESBL Genes
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Niloese in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------|--------------------------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| | Lowest limit | | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | Highest limit | | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | N of tested isolates | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | N of resistant isolates | | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 |
| | MIC | | | | | | | | | |
| | <=0.015 | | | | | | | 2 | | |
| | <=0.25 | | | | | 2 | 2 | | | |
| | <=1 | | | | | | | | | 2 |
| | <=4 | | 2 | | | | | | | |
| | 4 | | | | 2 | | | | | |
| | 32 | | | | | | | 2 | | |
| | >32 | | | 2 | | | | | | |
| ESBL Genes | Not Available | | | | | | | | | |
| AMP C Genes | Not Available | | | | | | | | | |
| CARBA Genes | Not Available | | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-----------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| MIC | | | | | | | |
| | | 2 | | | | | |
| | | | | | | 1 | |
| | 1 | | | | | | |
| | | | | | | 1 | |
| | 1 | | | | | | |
| | | | 2 | | | | |
| | | | | | 1 | | |
| | | | | 1 | 1 | | |
| | | | | | | | 2 |
| | | | | 1 | | | |

CARBA Genes
Not Available

AMPC Genes
Not Available

ESBL Genes
Not Available

Table Antimicrobial susceptibility testing of Salmonella Niloese in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|------------|------------|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| ESBL Genes | AMPC Genes | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| | | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | | Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | | N of tested isolates | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | N of resistant isolates | 0 | 3 | 0 | 0 | 0 | 3 | 0 | 0 |
| | | MIC | | | | | | | | |
| | | <=0.015 | | | | | | | 3 | |
| | | <=0.25 | | | | | 3 | 3 | | |
| | | <=1 | | | | | | | | 3 |
| | | <=4 | | 3 | | | | | | |
| 4 | | | 3 | | | | | | | |
| 32 | | | | | | 3 | | | | |
| >32 | | | 3 | | | | | | | |

CARBA Genes
Not Available

AMPC Genes
Not Available

ESBL Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| MIC | | | | | | | |
| | <=0.03 | 3 | | | | | |
| | <=0.25 | | | | | 2 | |
| | <=0.5 | 3 | | | | | |
| | 0.5 | | | | | 1 | |
| | <=4 | | 3 | | | | |
| | 8 | | | | 2 | | |
| | 16 | | | 1 | 1 | | |
| | >16 | | | | | | 3 |
| | 32 | | | 2 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Ohio in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 3 | |
| | | | | 3 | | | | |
| | | | | | 3 | | | |
| | | 3 | | | | | | 3 |
| | 3 | | | | | | | |
| | | | | | | 3 | | |
| | | | 3 | | | | | |
| | | | | | | | | |

ESBL Genes
Not Available

AMPC Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 3 | | | | | |
| | <=0.25 | | | | | 3 | 3 |
| | <=0.5 | 3 | | | | | |
| | <=2 | | | | 3 | | |
| | <=4 | | 3 | | | | |
| | 16 | | | 1 | | | |
| | 32 | | | 2 | | | |

CARBA Genes
 Not Available
 AMPC Genes
 Not Available
 ESBL Genes
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Ohio in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | Genes | | |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|------------|------------|-------------|
| | | | | | | | | | ESBL Genes | AMPC Genes | CARBA Genes |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MIC | | | | | | | | | | | |
| | | | | | | | 1 | | | | |
| | | | | 1 | | | | | | | |
| | | | | | 1 | | | | | | |
| | | 1 | | | | | | | 1 | | |
| | | | 1 | | | | | | | | |
| | | | | | | 1 | | | | | |
| | | | | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | <=0.5 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 32 | | | 1 | | | |

CARBA Genes
AMPC Genes
ESBL Genes

Not Available
Not Available
Not Available

Table Antimicrobial susceptibility testing of Salmonella Ohio in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 4 | |
| | | | | | | | 3 | |
| | | | | 7 | 2 | | | |
| | | | | | 5 | | | |
| | | 7 | | | | | | 7 |
| | 7 | | | | | | | |
| | | | 2 | | | | | |
| | | | | | | 7 | | |
| | | | 5 | | | | | |

ESBL Genes
Not Available

AMP C Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-----------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 7 | | | | | |
| | <=0.25 | | | | | 7 | 5 |
| | <=0.5 | 5 | | | | | |
| | 0.5 | | | | | | 2 |
| | 1 | 2 | | | | | |
| | <=2 | | | | 7 | | |
| | <=4 | | 7 | | | | |
| | 16 | | | 1 | | | |
| | 32 | | | 6 | | | |

CARBA Genes
Not Available

AMPC Genes
Not Available

ESBL Genes
Not Available

Table Antimicrobial susceptibility testing of Salmonella Panama in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 1 | |
| | | | | 1 | 1 | | | |
| | | | | | | | | 1 |
| | 1 | 1 | | | | | | |
| | | | | | | 1 | | |
| | | | 1 | | | | | |
| | | | | | | | | |

ESBL Genes
Not Available

AMP C Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | | 1 | | | | | |
| | | | | | | 1 | 1 |
| | 1 | | | | | | |
| | | | | | 1 | | |
| | | | 1 | | | | |
| | | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Panama in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | MIC | ESBL Genes | AMP C Genes | CARBA Genes |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|-----|---------------|---------------|---------------|
| | | | | | | | | | | Not Available | Not Available | Not Available |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | | | | | | 1 | | | | | |
| | | | | 1 | 1 | | | | | | | |
| | | | | | | | | 1 | | | | |
| | 1 | 1 | | | | | | | | | | |
| | | | | | | 1 | | | | | | |
| | | | 1 | | | | | | | | | |

| | | | AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|------------|------------|-------------------------|--------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|
| ESBL Genes | AMPC Genes | CARBA Genes | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 |
| | | Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | |
| | | Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | |
| | | N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | MIC | <=0.03 | | 1 | | | | | |
| | | <=0.25 | | | | | | 1 | | |
| <=0.5 | 1 | | | | | | | | | |
| 0.5 | | | | | | | 1 | | | |
| | <=2 | | | | | | 1 | | | |
| | <=4 | | | 1 | | | | | | |
| | 64 | | | | | 1 | | | | |

Table Antimicrobial susceptibility testing of Salmonella Rissen in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|---------------|---------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MIC | | | | | | | | | | | |
| Not Available | Not Available | Not Available | <=0.015 | | | | | | 1 | | |
| Not Available | Not Available | Not Available | <=0.25 | | | 1 | | | | | |
| Not Available | Not Available | Not Available | 0.5 | | | | 1 | | | | |
| Not Available | Not Available | Not Available | <=1 | | | | | | | | 1 |
| Not Available | Not Available | Not Available | <=4 | 1 | | | | | | | |
| Not Available | Not Available | Not Available | <=8 | | | | | | 1 | | |
| Not Available | Not Available | Not Available | 8 | | | 1 | | | | | |
| Not Available | Not Available | Not Available | >32 | | 1 | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | | 1 |
| | 0.5 | | | | | 1 | |
| | 1 | 1 | | | | | |
| | <=4 | | 1 | | | | |
| | >32 | | | | 1 | | |
| | >512 | | | 1 | | | |

CARBA Genes
Not Available

AMPC Genes
Not Available

ESBL Genes
Not Available

Table Antimicrobial susceptibility testing of Salmonella Rissen in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | Genes | | |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|------------|-------------|-------------|
| | | | | | | | | | ESBL Genes | AMP C Genes | CARBA Genes |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MIC | | | | | | | | | | | |
| | | | | | | | 1 | | | | |
| | | | | 1 | | | | | | | |
| | | | | | 1 | | | | | | |
| | | | | | | | | 1 | | | |
| | | | | | | | | | 1 | | |
| | 1 | | | | | | | | | | |
| | | | | | | 1 | | | | | |
| | | | 1 | | | | | | | | |
| | | 1 | | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | | 1 |
| | <=0.5 | 1 | | | | | |
| | 0.5 | | | | | 1 | |
| | <=4 | | 1 | | | | |
| | 32 | | | 1 | | | |
| | >32 | | | | 1 | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Saintpaul in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 1 | |
| | | | | 1 | 1 | | | |
| | | | | | | | | 1 |
| | | 1 | | | | | | |
| | | | 1 | | | | | |
| | | | | | | 1 | | |
| | | | | | | | | |

ESBL Genes
Not Available

AMP C Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | | 1 |
| | <=0.5 | 1 | | | | | |
| | 0.5 | | | | | 1 | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 32 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Schwarzengrund in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 1 | |
| | | | | 1 | 1 | | | |
| | | 1 | | | | | | 1 |
| | 1 | | | | | | | |
| | | | | | | 1 | | |
| | | | 1 | | | | | |

ESBL Genes
Not Available

AMPC Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | | 1 | | | | | |
| | | | | | | 1 | 1 |
| | 1 | | | | | | |
| | | | | | 1 | | |
| | | | 1 | | | | |
| | | | | 1 | | | |
| | | | | | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 2 | | | | | |
| | <=0.25 | | | | | 2 | 2 |
| | <=0.5 | 2 | | | | | |
| | <=2 | | | | 2 | | |
| | <=4 | | 2 | | | | |
| | 32 | | | 1 | | | |
| | 64 | | | 1 | | | |

CARBA Genes Not Available
 AMPC Genes Not Available
 ESBL Genes Not Available

Table Antimicrobial susceptibility testing of Salmonella Senftenberg in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|------------|-------------|-------------|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 |
| | | | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | | | Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | | | N of tested isolates | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| | | | N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| | | | MIC | | | | | | | | |
| | | | <=0.015 | | | | | | | 13 | |
| | | | 0.03 | | | | | | | 4 | |
| | | | <=0.25 | | | | 19 | 1 | | | |
| | | | 0.5 | | | | | 17 | | 2 | |
| | | | <=1 | | 2 | | | | | | 19 |
| | | | 1 | | | | | 1 | | | |
| | | | <=2 | | | 1 | | | | | |
| | | | 2 | | 16 | | | | | | |
| | | | <=4 | 19 | | | | | | | |
| | | | 4 | | 1 | 14 | | | | | |
| | | | <=8 | | | | | | 19 | | |
| | | | 8 | | | 4 | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| N of resistant isolates | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 19 | | | | | |
| | <=0.25 | | | | | 18 | 16 |
| | <=0.5 | 17 | | | | | |
| | 0.5 | | | | | 1 | 3 |
| | 1 | 2 | | | | | |
| | <=2 | | | | 19 | | |
| | <=4 | | 17 | | | | |
| | 16 | | | 2 | | | |
| | 32 | | 2 | 17 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Senftenberg in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMPC Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|---------------|---------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | | | |
| N of resistant isolates | 0 | 3 | 0 | 0 | 0 | 1 | 10 | 0 | | | |
| MIC | | | | | | | | | | | |
| Not Available | Not Available | Not Available | <=0.015 | | | | | | 11 | | |
| Not Available | Not Available | Not Available | 0.03 | | | | | | 17 | | |
| Not Available | Not Available | Not Available | <=0.25 | | | | 38 | 2 | | | |
| Not Available | Not Available | Not Available | 0.25 | | | | | | 1 | | |
| Not Available | Not Available | Not Available | 0.5 | | | | | 36 | | 9 | |
| Not Available | Not Available | Not Available | <=1 | | 24 | | | | | | 37 |
| Not Available | Not Available | Not Available | <=2 | | | 1 | | | | | |
| Not Available | Not Available | Not Available | 2 | | 11 | | | | | | 1 |
| Not Available | Not Available | Not Available | <=4 | 38 | | | | | | | |
| Not Available | Not Available | Not Available | 4 | | | 32 | | | | | |
| Not Available | Not Available | Not Available | <=8 | | | | | | 37 | | |
| Not Available | Not Available | Not Available | 8 | | | 5 | | | | | |
| Not Available | Not Available | Not Available | >32 | | 3 | | | | | | |
| Not Available | Not Available | Not Available | >64 | | | | | | 1 | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|------------|------------|-------------|
| | | | | | | | | ESBL Genes | AMPC Genes | CARBA Genes |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | | | |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | | | |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | | | |
| N of tested isolates | 38 | 38 | 38 | 38 | 38 | 38 | 38 | | | |
| N of resistant isolates | 0 | 0 | 10 | 3 | 0 | 0 | 1 | | | |
| | | | | | | | | <=0.03 | | 37 |
| | | | | | | | | 0.064 | | 1 |
| | | | | | | | | <=0.25 | | 31 |
| | | | | | | | | <=0.5 | 38 | |
| | | | | | | | | 0.5 | | 7 |
| | | | | | | | | <=2 | | 38 |
| | | | | | | | | <=4 | | 27 |
| | | | | | | | | 8 | | 1 |
| | | | | | | | | 16 | | 1 |
| | | | | | | | | >16 | | 15 |
| | | | | | | | | 32 | | 1 |
| | | | | | | | | >64 | | 8 |
| | | | | | | | | 128 | | 19 |
| | | | | | | | | >512 | | 1 |
| | | | | | | | | | | 3 |

Table Antimicrobial susceptibility testing of Salmonella Senftenberg in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: environmental sample - boot swabs

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 1 | |
| | | | | 1 | | | | |
| | | | | | 1 | | | |
| | | 1 | | | | | | 1 |
| | 1 | | | | | | | |
| | | | | | | 1 | | |
| 8 | | | 1 | | | | | |

ESBL Genes
Not Available

AMPC Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | <=0.5 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 32 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes
 Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Senftenberg in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|-------------|-------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | | | |
| N of resistant isolates | 0 | 1 | 0 | 0 | 0 | 0 | 12 | 0 | | | |
| MIC | <=0.015 | | | | | | | 7 | | | |
| | <=0.25 | | | | 19 | | | | | | |
| | 0.25 | | | | | | | 11 | | | |
| | 0.5 | | | | | | 16 | 1 | | | |
| | <=1 | | | 8 | | | | | 19 | | |
| | 1 | | | | | | 3 | | | | |
| | 2 | | | 10 | | | | | | | |
| | <=4 | | 19 | | | | | | | | |
| | 4 | | | | 16 | | | | | | |
| | <=8 | | | | | | 19 | | | | |
| | 8 | | | | 3 | | | | | | |
| | >32 | | | 1 | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|---------------|---------------|---------------|
| | | | | | | | | ESBL Genes | AMPC Genes | CARBA Genes |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | Not Available | Not Available | Not Available |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | Not Available | Not Available | Not Available |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | Not Available | Not Available | Not Available |
| N of tested isolates | 19 | 19 | 19 | 19 | 19 | 19 | 19 | Not Available | Not Available | Not Available |
| N of resistant isolates | 0 | 0 | 12 | 0 | 1 | 0 | 0 | Not Available | Not Available | Not Available |
| | | | | | | | | <=0.03 | | 16 |
| | | | | | | | | 0.064 | | 3 |
| | | | | | | | | <=0.25 | | 18 |
| | | | | | | | | <=0.5 | 14 | |
| | | | | | | | | 0.5 | | 1 |
| | | | | | | | | 1 | 5 | |
| | | | | | | | | <=2 | | 18 |
| | | | | | | | | <=4 | | 7 |
| | | | | | | | | 16 | | 12 |
| | | | | | | | | 32 | | 15 |
| | | | | | | | | >32 | | 1 |
| | | | | | | | | 64 | | 4 |

Table Antimicrobial susceptibility testing of Salmonella Senftenberg in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | MIC | ESBL Genes | AMP C Genes | CARBA Genes |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|-----|---------------|---------------|---------------|
| | | | | | | | | | | Not Available | Not Available | Not Available |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | | |
| N of tested isolates | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | | | | |
| <=0.015 | | | | | | | 1 | | | | | |
| <=0.25 | | | | 3 | | | | | | | | |
| 0.25 | | | | | | | 2 | | | | | |
| 0.5 | | | | | 3 | | | | | | | |
| <=1 | | 2 | | | | | | 3 | | | | |
| 2 | | 1 | | | | | | | | | | |
| <=4 | 3 | | | | | | | | | | | |
| 4 | | | 3 | | | | | | | | | |
| <=8 | | | | | | 3 | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|--------|--------|-------|
| | | | | | | | | <=0.03 | <=0.25 | <=0.5 |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | | | |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | | | |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | | | |
| N of tested isolates | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | |
| N of resistant isolates | 0 | 0 | 2 | 0 | 0 | 0 | 0 | | | |
| | | | | | | | | <=0.03 | | 3 |
| | | | | | | | | <=0.25 | | 3 |
| | | | | | | | | <=0.5 | 3 | |
| | | | | | | | | 0.5 | | 1 |
| | | | | | | | | <=2 | | 3 |
| | | | | | | | | <=4 | | 1 |
| | | | | | | | | 16 | | 2 |
| | | | | | | | | 32 | | 2 |

CARBA Genes
Not Available

AMPC Genes
Not Available

ESBL Genes
Not Available

Table Antimicrobial susceptibility testing of Salmonella Senftenberg in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| MIC | | | | | | | | |
| <=0.25 | | | | 1 | | | | |
| 0.25 | | | | | | | 1 | |
| 0.5 | | | | | 1 | | | |
| <=1 | | 1 | | | | | | 1 |
| <=4 | 1 | | | | | | | |
| 4 | | | 1 | | | | | |
| <=8 | | | | | | 1 | | |

ESBL Genes
Not Available

AMP C Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | <=0.5 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | 16 | | 1 | | | | |
| | 32 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Senftenberg in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | MIC | ESBL Genes | AMP C Genes | CARBA Genes |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|-----|---------------|---------------|---------------|
| | | | | | | | | | | Not Available | Not Available | Not Available |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | | |
| N of tested isolates | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | | | | |
| <=0.015 | | | | | | | 4 | | | | | |
| <=0.25 | | | | 4 | | | | | | | | |
| 0.5 | | | | | 4 | | | | | | | |
| <=1 | | 3 | | | | | | 4 | | | | |
| 2 | | 1 | | | | | | | | | | |
| <=4 | 4 | | | | | | | | | | | |
| 4 | | | 4 | | | | | | | | | |
| <=8 | | | | | | 3 | | | | | | |
| >64 | | | | | | 1 | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|---------------|---------------|---------------|
| | | | | | | | | ESBL Genes | AMPC Genes | CARBA Genes |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | Not Available | Not Available | Not Available |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | Not Available | Not Available | Not Available |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | Not Available | Not Available | Not Available |
| N of tested isolates | 4 | 4 | 4 | 4 | 4 | 4 | 4 | Not Available | Not Available | Not Available |
| N of resistant isolates | 0 | 0 | 0 | 1 | 0 | 0 | 1 | Not Available | Not Available | Not Available |
| <=0.03 | | 4 | | | | | | Not Available | Not Available | Not Available |
| <=0.25 | | | | | | 4 | | Not Available | Not Available | Not Available |
| <=0.5 | 4 | | | | | | | Not Available | Not Available | Not Available |
| 0.5 | | | | | | | 3 | Not Available | Not Available | Not Available |
| <=2 | | | | | 4 | | | Not Available | Not Available | Not Available |
| <=4 | | | 4 | | | | | Not Available | Not Available | Not Available |
| 16 | | | | 1 | | | | Not Available | Not Available | Not Available |
| >16 | | | | | | | 1 | Not Available | Not Available | Not Available |
| 32 | | | | 1 | | | | Not Available | Not Available | Not Available |
| 64 | | | | 1 | | | | Not Available | Not Available | Not Available |
| >512 | | | | 1 | | | | Not Available | Not Available | Not Available |

| AM substance | Cefepime | Cefotaxim | Cefotaxime + Clavulanic acid | Cefoxitin | Ceftazidim | Ceftazidime + Clavulanic acid | Ertapenem | Imipenem | Meropenem | Temocillin |
|--------------------------------|---------------|-----------|------------------------------|-----------|------------|-------------------------------|-----------|----------|-----------|------------|
| | ECOFF | 0.125 | 0.5 | 0.5 | 8 | 2 | 2 | 0.064 | 1 | 0.125 |
| Lowest limit | 0.064 | 0.25 | 0.064 | 0.5 | 0.25 | 0.125 | 0.015 | 0.125 | 0.03 | 0.5 |
| Highest limit | 32 | 64 | 64 | 64 | 128 | 128 | 2 | 16 | 16 | 128 |
| N of tested isolates | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| N of resistant isolates | 6 | 6 | 5 | 5 | 6 | 5 | 2 | 0 | 0 | 0 |
| MIC | | | | | | | | | | |
| | 32 | 1 | 1 | | 1 | 1 | | | | |
| | >32 | 1 | | | | | | | | |
| | 64 | 3 | 2 | 1 | 2 | 2 | | | | |
| | >64 | 1 | | 4 | | | | | | |
| | >128 | | | | 1 | | | | | |
| CARBA Genes | Not Available | | | | | | | | | |
| AMPC Genes | Not Available | | | | | | | | | |
| ESBL Genes | Not Available | | | | | | | | | |

Table Antimicrobial susceptibility testing of Salmonella spp., unspecified in Meat from broilers (Gallus gallus) - fresh - frozen

Sampling Stage: Border Control Posts

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method: Macromethod broth dilution and plates incubation (Dilution - broth on agar plates)

Country Of Origin: Brazil

Sampling Details: N_A

| ESBL Genes | AMPC Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|------------|-------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| N of resistant isolates | 0 | 6 | 0 | 6 | 6 | 0 | 6 | 0 | | | |
| MIC | 0.03 | | | | | | | 1 | | | |
| | <=0.25 | | | 1 | | | | | | | |
| | 0.5 | | | | | 1 | | 6 | | | |
| | <=1 | | | 1 | | | | | 5 | | |
| | 2 | | | | | | | | 2 | | |
| | <=4 | | 7 | | | | | | | | |
| | 4 | | | | 1 | | | | | | |
| | >4 | | | | | 6 | | | | | |
| | <=8 | | | | | | 6 | | | | |
| | 8 | | | | 6 | | | | | | |
| | >8 | | | | | | 6 | | | | |
| | 16 | | | | | | | 1 | | | |
| | >32 | | | 6 | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-----------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| N of resistant isolates | 1 | 0 | 6 | 6 | 5 | 3 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 3 | | | | | |
| | 0.064 | 4 | | | | | |
| | <=0.25 | | | | | | 6 |
| | <=0.5 | 6 | | | | | |
| | 0.5 | | | | | 4 | 1 |
| | 1 | | | | | 3 | |
| | <=2 | | | | 2 | | |
| | <=4 | | 1 | | | | |
| | 16 | | 1 | | | | |
| | >16 | 1 | | | | | |
| | 32 | | 4 | | | | |
| | >32 | | | | 5 | | |
| | 64 | | | 1 | | | |
| | >64 | | 1 | | | | |
| | >512 | | | 6 | | | |

CARBA Genes
Not Available

AMPC Genes
Not Available

ESBL Genes
Not Available

Table Antimicrobial susceptibility testing of Salmonella Tennessee in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|---------------|---------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MIC | | | | | | | | | | | |
| Not Available | Not Available | Not Available | <=0.015 | | | | | | 1 | | |
| Not Available | Not Available | Not Available | <=0.25 | | | 1 | | | | | |
| Not Available | Not Available | Not Available | 0.5 | | | | 1 | | | | |
| Not Available | Not Available | Not Available | <=1 | | 1 | | | | | | 1 |
| Not Available | Not Available | Not Available | <=4 | 1 | | | | | | | |
| Not Available | Not Available | Not Available | <=8 | | | | | | 1 | | |
| Not Available | Not Available | Not Available | 8 | | | 1 | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | <=0.5 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 32 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Tennessee in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|---------------|---------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MIC | | | | | | | | | | | |
| Not Available | Not Available | Not Available | | | | | | | | 1 | |
| Not Available | Not Available | Not Available | | | | | | | | 1 | |
| Not Available | Not Available | Not Available | | | | 2 | | | | | |
| Not Available | Not Available | Not Available | | | | | | 2 | | | |
| Not Available | Not Available | Not Available | | | 2 | | | | | | 2 |
| Not Available | Not Available | Not Available | | 2 | | | | | | | |
| Not Available | Not Available | Not Available | | | | | | | 1 | | |
| Not Available | Not Available | Not Available | | | | 2 | | | | | |
| Not Available | Not Available | Not Available | | | | | | | 1 | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-----------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | 0.064 | 1 | | | | | |
| | <=0.25 | | | | | 2 | 1 |
| | <=0.5 | 2 | | | | | |
| | 0.5 | | | | | | 1 |
| | <=2 | | | | 2 | | |
| | <=4 | | 2 | | | | |
| | 32 | | | 2 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Thompson in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|-------------|-------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | | | |
| MIC | <=0.015 | | | | | | | 1 | | | |
| | 0.03 | | | | | | | 2 | | | |
| | <=0.25 | | | | 4 | 4 | | | | | |
| | 0.5 | | | | | | 1 | | | | |
| | <=1 | | | 3 | | | | 4 | | | |
| | 2 | | | 1 | | | | | | | |
| | <=4 | | 4 | | | | | | | | |
| | <=8 | | | | | | 4 | | | | |
| | 8 | | | | 4 | | | | | | |

| | AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|---------------|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|--------|--------|-------|
| | | | | | | | | | <=0.03 | <=0.25 | <=0.5 |
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | | | |
| | Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | | | |
| | Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | | | |
| | N of tested isolates | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | |
| | N of resistant isolates | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | | |
| ESBL Genes | | | | | | | | | | | |
| AMPC Genes | | | | | | | | | | | |
| CARBA Genes | | | | | | | | | | | |
| Not Available | | | 4 | | | | | | | | |
| Not Available | | | | | | | 3 | 2 | | | |
| Not Available | | 4 | | | | | | | | | |
| Not Available | | | | | | | 1 | 2 | | | |
| Not Available | | | | | | 4 | | | | | |
| Not Available | | | | 3 | | | | | | | |
| Not Available | | | | 1 | 1 | | | | | | |
| Not Available | | | | | 2 | | | | | | |
| Not Available | | | | | 1 | | | | | | |

Table Antimicrobial susceptibility testing of Salmonella Toulon in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 1 | |
| | | | | 1 | 1 | | | |
| | | | | | | | | 1 |
| | 1 | 1 | | | | | | |
| | | | | | | 1 | | |
| | | | 1 | | | | | |
| | | | | | | | | |

ESBL Genes
Not Available

AMP C Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | | 1 | | | | | |
| | | | | | | 1 | 1 |
| | 1 | | | | | | |
| | | | | | 1 | | |
| | | | 1 | | | | |
| | | | | 1 | | | |
| | | | | | | | |

CARBA Genes Not Available
 AMPC Genes Not Available
 ESBL Genes Not Available

Table Antimicrobial susceptibility testing of Salmonella Toulon in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | MIC | | |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|------------|-------------|-------------|
| | | | | | | | | | ESBL Genes | AMP C Genes | CARBA Genes |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | | | | | | 2 | | | | |
| | | | | 2 | 1 | | | | | | |
| | | | | | 1 | | | | | | |
| | | 1 | | | | | | 2 | | | |
| | | 1 | | | | | | | | | |
| | 2 | | | | | | | | | | |
| | <=4 | | | | | | | | | | |
| | <=8 | | | | | 2 | | | | | |
| | 8 | | 2 | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|--------|--------|-------|
| | | | | | | | | <=0.03 | <=0.25 | <=0.5 |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | | | |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | | | |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | | | |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | | | | | | | <=0.03 | | 2 |
| | | | | | | | | <=0.25 | | 2 |
| | | | | | | | | <=0.5 | 2 | |
| | | | | | | | | <=2 | | 2 |
| | | | | | | | | <=4 | | 2 |
| | | | | | | | | 32 | | 2 |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Toulon in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 3 | |
| | | | | 3 | 3 | | | |
| | | 1 | | | | | | 3 |
| | | | 1 | | | | | |
| | | 2 | | | | | | |
| | 3 | | | | | | | |
| | | | | | | 3 | | |
| | | | 2 | | | | | |

ESBL Genes
 AMPC Genes
 CARBA Genes
 Not Available
 Not Available
 Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 3 | | | | | |
| | <=0.25 | | | | | 3 | 3 |
| | <=0.5 | 3 | | | | | |
| | <=2 | | | | 3 | | |
| | <=4 | | 3 | | | | |
| | <=8 | | | 1 | | | |
| | 64 | | | 2 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Toulon in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|---------------|---------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MIC | | | | | | | | | | | |
| Not Available | Not Available | Not Available | <=0.015 | | | | | | 2 | | |
| Not Available | Not Available | Not Available | <=0.25 | | | 2 | 2 | | | | |
| Not Available | Not Available | Not Available | <=1 | | | | | | | | 2 |
| Not Available | Not Available | Not Available | 2 | | 2 | | | | | | |
| Not Available | Not Available | Not Available | <=4 | 2 | | | | | | | |
| Not Available | Not Available | Not Available | 4 | | | 1 | | | | | |
| Not Available | Not Available | Not Available | <=8 | | | | | | 2 | | |
| Not Available | Not Available | Not Available | 8 | | | 1 | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|--------|--------|-------|
| | | | | | | | | <=0.03 | <=0.25 | <=0.5 |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | | | |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | | | |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | | | |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | | | | | | | <=0.03 | | 2 |
| | | | | | | | | <=0.25 | | 2 |
| | | | | | | | | <=0.5 | 1 | |
| | | | | | | | | 0.5 | | 1 |
| | | | | | | | | 1 | 1 | |
| | | | | | | | | <=2 | | 2 |
| | | | | | | | | <=4 | | 2 |
| | | | | | | | | 64 | | 2 |

CARBA Genes
Not Available

AMPC Genes
Not Available

ESBL Genes
Not Available

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|-------------|-------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| N of resistant isolates | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MIC | 0.03 | | | | | | | 2 | | | |
| | <=0.25 | | | 2 | 2 | | | | | | |
| | <=1 | | | | | | | 2 | | | |
| | 2 | | 1 | | | | | | | | |
| | <=4 | | 2 | | | | | | | | |
| | 4 | | | 1 | | | | | | | |
| | <=8 | | | | | | 2 | | | | |
| | 8 | | | 1 | | | | | | | |
| | >32 | | 1 | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|---------------|---------------|---------------|
| | | | | | | | | ESBL Genes | AMPC Genes | CARBA Genes |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | Not Available | Not Available | Not Available |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | Not Available | Not Available | Not Available |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | Not Available | Not Available | Not Available |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | Not Available | Not Available | Not Available |
| N of resistant isolates | 0 | 0 | 0 | 1 | 1 | 0 | 0 | Not Available | Not Available | Not Available |
| <=0.03 | | 1 | | | | | | Not Available | Not Available | Not Available |
| 0.064 | | 1 | | | | | | Not Available | Not Available | Not Available |
| <=0.25 | | | | | | 2 | 2 | Not Available | Not Available | Not Available |
| <=0.5 | 2 | | | | | | | Not Available | Not Available | Not Available |
| <=2 | | | | | 1 | | | Not Available | Not Available | Not Available |
| <=4 | | | 2 | | | | | Not Available | Not Available | Not Available |
| >32 | | | | | 1 | | | Not Available | Not Available | Not Available |
| 64 | | | | 1 | | | | Not Available | Not Available | Not Available |
| >512 | | | | 1 | | | | Not Available | Not Available | Not Available |

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|---|---------------|--------------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| | | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | | Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | | N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | MIC | | | | | | | | |
| ESBL Genes AMPC Genes CARBA Genes | Not Available | <=0.015 | | | | | | 1 | | |
| | Not Available | <=0.25 | | | | 1 | 1 | | | |
| | Not Available | <=1 | | | | | | | | 1 |
| | Not Available | 2 | | 1 | | | | | | |
| | Not Available | <=4 | 1 | | | | | | | |
| | Not Available | 4 | | | 1 | | | | | |
| | Not Available | <=8 | | | | | | 1 | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | 0.064 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | <=0.5 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 64 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes
 Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|-------------|-------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | |
| N of resistant isolates | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MIC | 0.03 | | | | | | | 3 | | | |
| | 0.064 | | | | | | | 1 | | | |
| | <=0.25 | | | 4 | 3 | | | | | | |
| | 0.5 | | | | 1 | | | | | | |
| | <=1 | | | | | | | 4 | | | |
| | <=4 | 4 | | | | | | | | | |
| | 4 | | 2 | | | | | | | | |
| | <=8 | | | | | 4 | | | | | |
| | 8 | | 2 | | | | | | | | |
| | >32 | 4 | | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|---------------|---------------|---------------|
| | | | | | | | | ESBL Genes | AMPC Genes | CARBA Genes |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | Not Available | Not Available | Not Available |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | Not Available | Not Available | Not Available |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | Not Available | Not Available | Not Available |
| N of tested isolates | 4 | 4 | 4 | 4 | 4 | 4 | 4 | Not Available | Not Available | Not Available |
| N of resistant isolates | 0 | 0 | 0 | 1 | 1 | 0 | 0 | Not Available | Not Available | Not Available |
| <=0.03 | | 3 | | | | | | Not Available | Not Available | Not Available |
| 0.064 | | 1 | | | | | | Not Available | Not Available | Not Available |
| <=0.25 | | | | | | 4 | 4 | Not Available | Not Available | Not Available |
| <=0.5 | 4 | | | | | | | Not Available | Not Available | Not Available |
| <=2 | | | | | 3 | | | Not Available | Not Available | Not Available |
| <=4 | | | 4 | | | | | Not Available | Not Available | Not Available |
| 32 | | | | 3 | | | | Not Available | Not Available | Not Available |
| >32 | | | | | 1 | | | Not Available | Not Available | Not Available |
| >512 | | | | 1 | | | | Not Available | Not Available | Not Available |

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 1 | |
| | | | | 1 | 1 | | | |
| | | | | | | | | 1 |
| | | 1 | | | | | | |
| | | | 1 | | | | | |
| | | | | | | 1 | | |
| | | | | | | | | |

ESBL Genes
Not Available

AMP C Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | 0.064 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | <=0.5 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 64 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | MIC | | |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|------------|------------|-------------|
| | | | | | | | | | ESBL Genes | AMPC Genes | CARBA Genes |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | | | | | | 1 | | | | |
| | | | | | | | 1 | | | | |
| | | | | 2 | 2 | | | | | | |
| | | | | | | | | 1 | | | |
| | | 2 | | | | | | | | | |
| | 2 | | | | | | | | | | |
| | | | 2 | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | 2 | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | MIC | | |
|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|--------|---------|---------|
| | | | | | | | | <=0.03 | <=0.064 | <=0.125 |
| ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 | | | |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | | | |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | | | |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | | | | | | | <=0.03 | 1 | |
| | | | | | | | | 0.064 | 1 | |
| | | | | | | | | <=0.25 | | 1 |
| | | | | | | | | <=0.5 | 2 | |
| | | | | | | | | 0.5 | | 1 |
| | | | | | | | | <=2 | | 2 |
| | | | | | | | | <=4 | 2 | |
| | | | | | | | | 64 | | 2 |

CARBA Genes
Not Available

AMPC Genes
Not Available

ESBL Genes
Not Available

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMPC Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|------------|-------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | | | |
| N of resistant isolates | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | | | |
| MIC | <=0.015 | | | | | | | | 3 | | |
| | 0.03 | | | | | | | | 5 | | |
| | 0.064 | | | | | | | | 1 | | |
| | <=0.25 | | | | 8 | | 8 | | | | |
| | 0.5 | | | | 1 | | | | | | |
| | <=1 | | | 5 | | | | | | | 8 |
| | 1 | | | | | | | 1 | | | |
| | 2 | | | 2 | | | | | | | 1 |
| | <=4 | | 9 | | | | | | | | |
| | 4 | | | | 5 | | | | | | |
| | <=8 | | | | | | | | 7 | | |
| | 8 | | | | | 3 | | | | | |
| | 16 | | | | | 1 | | | 1 | | |
| | >32 | | | 2 | | | | | | | |
| | >64 | | | | | | | | 1 | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-----------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| N of resistant isolates | 0 | 0 | 0 | 2 | 2 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 7 | | | | | |
| | 0.064 | 2 | | | | | |
| | <=0.25 | | | | | 8 | 8 |
| | <=0.5 | 8 | | | | | |
| | 0.5 | | | | | 1 | 1 |
| | 1 | 1 | | | | | |
| | <=2 | | | | 7 | | |
| | <=4 | | 8 | | | | |
| | 8 | | 1 | | | | |
| | 16 | | | 1 | | | |
| | 32 | | | 3 | | | |
| | >32 | | | | 2 | | |
| | 64 | | | 2 | | | |
| | 256 | | | 1 | | | |
| | >512 | | | 2 | | | |

CARBA Genes
AMPC Genes
ESBL Genes

Not Available
Not Available
Not Available

Table Antimicrobial susceptibility testing of Salmonella Typhimurium, monophasic in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | MIC | ESBL Genes | AMPC Genes | CARBA Genes |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|-----|---------------|---------------|---------------|
| | | | | | | | | | | Not Available | Not Available | Not Available |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | | |
| N of tested isolates | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | | | |
| N of resistant isolates | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| <=0.015 | | | | | | | 3 | | | | | |
| 0.03 | | | | | | | 2 | | | | | |
| <=0.25 | | | | 5 | 5 | | | | | | | |
| <=1 | | | | | | | | 5 | | | | |
| <=4 | 5 | | | | | | | | | | | |
| 4 | | | 3 | | | | | | | | | |
| <=8 | | | | | | 5 | | | | | | |
| 8 | | | 2 | | | | | | | | | |
| >32 | | 5 | | | | | | | | | | |

Table Antimicrobial susceptibility testing of Salmonella Typhimurium, monophasic in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|-------------|-------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | | |
| N of resistant isolates | 0 | 5 | 0 | 0 | 0 | 0 | 2 | 0 | | | |
| MIC | 0.03 | | | | | | 3 | | | | |
| | <=0.25 | | | 5 | 3 | | | | | | |
| | 0.5 | | | | 2 | | 1 | | | | |
| | <=1 | | | | | | | 5 | | | |
| | 1 | | | | | | 1 | | | | |
| | <=4 | | 5 | | | | | | | | |
| | 4 | | | 4 | | | | | | | |
| | <=8 | | | | | 5 | | | | | |
| | 8 | | | 1 | | | | | | | |
| | >32 | | 5 | | | | | | | | |

| | | AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|------------|-------------|-------------------------|------------|-----------|----------------|------------------|--------------|-------------|--------------|
| ESBL Genes | CARBA Genes | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 | 2 |
| | | Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| | | Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| | | N of tested isolates | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | | N of resistant isolates | 0 | 0 | 2 | 5 | 5 | 0 | 0 |
| | | MIC | | | | | | | |
| | | <=0.03 | | 5 | | | | | |
| | | <=0.25 | | | | | | 4 | 5 |
| | | <=0.5 | 4 | | | | | | |
| | | 0.5 | | | | | | 1 | |
| 1 | 1 | | | | | | | | |
| <=4 | | | 3 | | | | | | |
| 32 | | | 2 | | | | | | |
| >32 | | | | | 5 | | | | |
| >512 | | | | | 5 | | | | |

AMPC Genes
Not Available

ESBL Genes
Not Available

Table Antimicrobial susceptibility testing of Salmonella Typhimurium, monophasic in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | MIC | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|---------------|---------------|--------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| N of resistant isolates | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Not Available | Not Available | Not Available | 0.03 | | | | | | | | 1 | |
| Not Available | Not Available | Not Available | <=0.25 | | | | 1 | 1 | | | | |
| Not Available | Not Available | Not Available | <=1 | | | | | | | | | 1 |
| Not Available | Not Available | Not Available | <=4 | | 1 | | | | | | | |
| Not Available | Not Available | Not Available | 4 | | | | 1 | | | | | |
| Not Available | Not Available | Not Available | <=8 | | | | | | | 1 | | |
| Not Available | Not Available | Not Available | >32 | | | 1 | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| MIC | | | | | | | |
| | | 1 | | | | | |
| | | | | | | 1 | 1 |
| | 1 | | | | | | |
| | | | 1 | | | | |
| | | | | | 1 | | |
| | | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Typhimurium, monophasic in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | MIC | ESBL Genes | AMP C Genes | CARBA Genes |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|-----|------------|-------------|-------------|
| | | | | | | | | | | | | |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | | |
| N of tested isolates | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | | |
| N of resistant isolates | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 0 | | | | |
| | | | | 2 | | | | | | | | |
| | | | | 1 | 3 | | 2 | | | | | |
| | | | | | | | | 3 | | | | |
| | | | | | | | 1 | | | | | |
| | 3 | | | | | | | | | | | |
| | | | 2 | | | | | | | | | |
| | | | 1 | | | 3 | | | | | | |
| | | 3 | | | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-----------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| N of resistant isolates | 0 | 0 | 3 | 3 | 3 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 3 | | | | | |
| | <=0.25 | | | | | | 3 |
| | <=0.5 | 3 | | | | | |
| | 0.5 | | | | | 3 | |
| | 32 | | 2 | | | | |
| | >32 | | | | 3 | | |
| | 64 | | 1 | | | | |
| | >512 | | | 3 | | | |

CARBA Genes
Not Available

AMPC Genes
Not Available

ESBL Genes
Not Available

Table Antimicrobial susceptibility testing of Salmonella Uganda in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | | | | | | | 1 | |
| | | | | 1 | 1 | | | |
| | | 1 | | | | | | 1 |
| | 1 | | | | | | | |
| | | | | | | 1 | | |
| | | | 1 | | | | | |
| | | | | | | | | |

ESBL Genes
Not Available

AMP C Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | <=0.5 | 1 | | | | | |
| | <=2 | | | | 1 | | |
| | <=4 | | 1 | | | | |
| | 32 | | | 1 | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Uganda in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | MIC | ESBL Genes | AMP C Genes | CARBA Genes |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|--------|---------------|---------------|---------------|
| | | | | | | | | | | Not Available | Not Available | Not Available |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | | |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | | |
| N of resistant isolates | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | | | | |
| | | | | | | | | | 0.03 | | | |
| | | | | | | | | | <=0.25 | | | |
| | | | | | | | | | 0.25 | | | |
| | | | | | | | | | <=1 | | | |
| | | | | | | | | | <=4 | | | |
| | | | | | | | | | 4 | | | |
| | | | | | | | | | <=8 | | | |
| | | | | | | | | | >32 | | | |
| | | | | | | | | | >64 | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| N of resistant isolates | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| MIC | | | | | | | |
| | <=0.03 | 2 | | | | | |
| | <=0.25 | | | | | 2 | 1 |
| | <=0.5 | 2 | | | | | |
| | <=2 | | | | 1 | | |
| | 8 | | 2 | | 1 | | |
| | >16 | | | | | | 1 |
| | 64 | | | 1 | | | |
| | >512 | | | 1 | | | |

CARBA Genes
Not Available

AMPC Genes
Not Available

ESBL Genes
Not Available

Table Antimicrobial susceptibility testing of Salmonella Uganda in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|-------------------------|---------------|---------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MIC | | | | | | | | | | | |
| Not Available | Not Available | Not Available | <=0.015 | | | | | | 1 | | |
| Not Available | Not Available | Not Available | <=0.25 | | | 1 | 1 | | | | |
| Not Available | Not Available | Not Available | <=1 | | 1 | | | | | | 1 |
| Not Available | Not Available | Not Available | <=4 | 1 | | | | | | | |
| Not Available | Not Available | Not Available | 4 | | | 1 | | | | | |
| Not Available | Not Available | Not Available | <=8 | | | | | | 1 | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | | 1 | | | | | |
| | | | | | | 1 | 1 |
| | 1 | | | | | | |
| | | | | | 1 | | |
| | | | 1 | | | | |
| | | | | 1 | | | |
| | | | | | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Salmonella Uganda in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| MIC | | | | | | | | |
| | | | | 1 | 1 | | | |
| | | | | | | 1 | | |
| | | | | | | | | 1 |
| | 1 | 1 | | | | | | |
| | | | | | | 1 | | |
| | | | 1 | | | | | |

ESBL Genes
Not Available

AMPC Genes
Not Available

CARBA Genes
Not Available

Table Antimicrobial susceptibility testing of Salmonella Virchow in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | MIC | ESBL Genes | AMP C Genes | CARBA Genes |
|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|-----|---------------|---------------|---------------|
| | | | | | | | | | | Not Available | Not Available | Not Available |
| ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 | 2 | | | | |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | | |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | | |
| N of tested isolates | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | | | | |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | | | | |
| | | | | 11 | 9 | | | | | | | |
| | | | | | | | 9 | | | | | |
| | | | | | 2 | | 1 | | | | | |
| | | 10 | | | | | | 11 | | | | |
| | | | | | | | 1 | | | | | |
| | | 1 | | | | | | | | | | |
| | 11 | | | | | | | | | | | |
| | | | 6 | | | | | | | | | |
| | | | | | | 11 | | | | | | |
| | | | 5 | | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| N of resistant isolates | 1 | 0 | 11 | 1 | 0 | 0 | 0 |
| MIC | | | | | | | |
| <=0.03 | | 11 | | | | | |
| <=0.25 | | | | | | 10 | 10 |
| <=0.5 | 7 | | | | | | |
| 0.5 | | | | | | 1 | 1 |
| 1 | 3 | | | | | | |
| <=2 | | | | | 11 | | |
| 16 | | | | 1 | | | |
| >16 | 1 | | | | | | |
| 32 | | | | 9 | | | |
| >64 | | | 11 | | | | |
| >512 | | | | 1 | | | |

CARBA Genes
AMPC Genes
ESBL Genes

Not Available
Not Available
Not Available

Table Antimicrobial susceptibility testing of Salmonella Virchow in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| MIC | | | | | | | | |
| | | | | 1 | 1 | | | |
| | | | | | | | 1 | |
| | | 1 | | | | | | 1 |
| | 1 | | | | | | | |
| | | | 1 | | | | | |
| | | | | | | 1 | | |

ESBL Genes
Not Available

AMP C Genes
Not Available

CARBA Genes
Not Available

Table Antimicrobial susceptibility testing of Salmonella Yovokome in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|--------------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 4 | 8 | 16 | 0.5 | 2 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | | |
| | 0.03 | | | | | | 1 | |
| | <=0.25 | | | 1 | 1 | | | |
| | <=1 | | | | | | | 1 |
| | 2 | 1 | | | | | | |
| | <=4 | 1 | | | | | | |
| | 4 | | 1 | | | | | |
| | <=8 | | | | | 1 | | |

ESBL Genes
Not Available

AMPC Genes
Not Available

CARBA Genes
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|--------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 256 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N of resistant isolates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIC | | | | | | | |
| | | 1 | | | | | |
| | | | | | | 1 | 1 |
| | 1 | | | | | | |
| | | | | | 1 | | |
| | | | 1 | | | | |
| | | | | 1 | | | |
| | | | | | | | |

CARBA Genes
 AMPC Genes
 ESBL Genes

Not Available
 Not Available
 Not Available

ANTIMICROBIAL RESISTANCE TABLES FOR ESCHERICHIA COLI

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from turkey - fresh - chilled

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON pnl2

Analytical Method: Dilution method test

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMPC Genes | CARBA Genes | AM substance | | | | | | | | | | |
|------------|------------|-------------|--------------------------------|-------|-----------|-------|------------------------------|------|-----------|-----|------------|----|-------------------------------|
| | | | Cefepime | | Cefotaxim | | Cefotaxime + Clavulanic acid | | Cefoxitin | | Ceftazidim | | Ceftazidime + Clavulanic acid |
| | | | ECOFF | 0.125 | 0.25 | 0.25 | 0.25 | 8 | 0.5 | 0.5 | | | |
| | | | Lowest limit | 0.064 | 0.25 | 0.064 | 0.5 | 0.25 | 0.125 | | | | |
| | | | Highest limit | 32 | 64 | 64 | 64 | 128 | 128 | | | | |
| | | | N of tested isolates | 11 | 85 | 11 | 85 | 11 | 85 | 11 | 85 | 11 | |
| | | | N of resistant isolates | 11 | 84 | 11 | 85 | 0 | 1 | 0 | 9 | 11 | |
| | | | MIC | | | | | | | | | | |
| | | | <=0.015 | | | | | | | | | | |
| | | | <=0.03 | | | | | | | | | | |
| | | | 0.03 | | | | | | | | | | |
| | | | <=0.064 | | | 8 | 57 | | | | | | |
| | | | 0.064 | | | | | | | | | | |
| | | | <=0.125 | | | | | | | | | 6 | |
| | | | 0.125 | | 1 | | 3 | 23 | | | | | |
| | | | 0.25 | 1 | 7 | | | 4 | | | | 5 | |
| | | | 0.5 | 3 | 27 | 1 | | | | | | | |
| | | | 1 | | 14 | 1 | | 1 | | | | 6 | |
| | | | 2 | 1 | 7 | 1 | 2 | | 4 | 1 | | 5 | |
| | | | 4 | 1 | 1 | 2 | 8 | | 6 | 44 | 2 | 2 | |

| | | AM substance | | | | | | | | | | | | |
|------------|-------------|-------------------------|---------------|------------------------------|-----------|------------|-------------------------------|-------|----|----|----|----|----|--|
| | | Cefepime | Cefotaxim | Cefotaxime + Clavulanic acid | Cefoxitin | Ceftazidim | Ceftazidime + Clavulanic acid | | | | | | | |
| ESBL Genes | CARBA Genes | ECOFF | 0.125 | 0.25 | 0.25 | 8 | 0.5 | 0.5 | | | | | | |
| | | Lowest limit | 0.064 | 0.25 | 0.064 | 0.5 | 0.25 | 0.125 | | | | | | |
| | | Highest limit | 32 | 64 | 64 | 64 | 128 | 128 | | | | | | |
| | | N of tested isolates | 11 | 85 | 11 | 85 | 11 | 85 | 11 | 85 | 11 | 85 | 11 | |
| | | N of resistant isolates | 11 | 84 | 11 | 85 | 0 | 1 | 0 | 9 | 11 | 85 | 0 | |
| | | AMPC Genes | Not Available | 8 | 3 | 4 | | 23 | | 5 | 28 | 2 | 8 | |
| | | | | 16 | 1 | 9 | | 20 | | | 7 | 6 | 29 | |
| | | | | 32 | 1 | 4 | 1 | 1 | | | 2 | | 24 | |
| | | | | >32 | | 11 | | | | | | | | |
| | | | | 64 | | | 3 | 6 | | | | | 10 | |
| >64 | | | | | 2 | 25 | | | | | | | | |
| >128 | | | | | | | | | | | 1 | | | |

| | | AM substance | | | | | | | | | | | |
|------------|-------------|-------------------------------|---------------|----------|-----------|------------|-----|----|----|----|----|--|--|
| | | Ceftazidime + Clavulanic acid | Ertapenem | Imipenem | Meropenem | Temocillin | | | | | | | |
| ESBL Genes | CARBA Genes | ECOFF | 0.5 | 0.064 | 0.5 | 0.125 | 16 | | | | | | |
| | | Lowest limit | 0.125 | 0.015 | 0.125 | 0.03 | 0.5 | | | | | | |
| | | Highest limit | 128 | 2 | 16 | 16 | 128 | | | | | | |
| | | N of tested isolates | 85 | 11 | 85 | 11 | 85 | 11 | 85 | 11 | 85 | | |
| | | N of resistant isolates | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | |
| | | AMPC Genes | Not Available | <=0.015 | | 8 | 70 | | | | | | |
| | | | | <=0.03 | | | | | 11 | 83 | | | |
| | | | | 0.03 | | 2 | 11 | | | | | | |
| | | | | <=0.064 | | | | | | | | | |
| | | | | 0.064 | | 1 | 4 | | | 2 | | | |

| | | AM substance | | | | | | | | | | |
|------------|------------|-------------------------------|-------------------------|----------|-----------|------------|-------|-----|----|----|----|----|
| | | Ceftazidime + Clavulanic acid | Ertapenem | Imipenem | Meropenem | Temocillin | | | | | | |
| ESBL Genes | AMPC Genes | CARBA Genes | ECOFF | 0.5 | 0.064 | 0.5 | 0.125 | 16 | | | | |
| | | | Lowest limit | 0.125 | 0.015 | 0.125 | 0.03 | 0.5 | | | | |
| | | | Highest limit | 128 | 2 | 16 | 16 | 128 | | | | |
| | | | N of tested isolates | 85 | 11 | 85 | 11 | 85 | 11 | 85 | 11 | 85 |
| | | | N of resistant isolates | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | MIC | <=0.125 | 27 | | 10 | 28 | | | | |
| | | | | 0.125 | | | | | | | | |
| | | | | 0.25 | 50 | | 1 | 55 | | | | |
| | | | | 0.5 | 7 | | | 2 | | | | |
| | | | | 1 | | | | | | | | |
| | 2 | | | | | | | | 1 | | | |
| | 4 | 1 | | | | | | 7 | 21 | | | |
| | 8 | | | | | | | 4 | 53 | | | |
| | 16 | | | | | | | | 9 | | | |
| | 32 | | | | | | | | 1 | | | |
| | >32 | | | | | | | | | | | |
| | 64 | | | | | | | | | | | |
| | >64 | | | | | | | | | | | |
| | >128 | | | | | | | | | | | |

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from turkey - fresh - chilled

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON

Analytical Method: Dilution method test

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMPC Genes | CARBA Genes | AM substance | | Azithromycin | | Cefotaxim | | Ceftazidim | |
|------------|------------|-------------|-----------------------------------|------------|--------------|-----------|-------------|-------------|-------------|-----------|
| | | | Amikacin | Ampicillin | | | | | | |
| | | | ECOFF | 8 | 8 | 16 | 0.25 | 0.25 | 0.5 | |
| | | | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 0.25 | |
| | | | Highest limit | 128 | 32 | 64 | 4 | 4 | 8 | |
| | | | N of tested isolates | 11 | 85 | 11 | 85 | 11 | 85 | 11 |
| | | | MI N of resistant isolates | 0 | 1 | 11 | 85 | 1 | 5 | 11 |
| | | | <=0.015 | | | | | | | |
| | | | 0.03 | | | | | | | |
| | | | 0.125 | | | | | | | |
| | | | 0.25 | | | | | | | |
| | | | 0.5 | | | | | | | |
| | | | <=1 | | | | | | | |
| | | | 1 | | | | | 1 | | |
| | | | <=2 | | | | 3 | | | |
| | | | 2 | | | | | 3 | 1 | 1 |
| | | | <=4 | 10 | 68 | | | | | |
| | | | 4 | | | 3 | 10 | | 12 | 2 |
| | | | >4 | | | | | 7 | 72 | |
| | | | <=8 | | | | | | | |
| | | | 8 | 1 | 16 | 7 | 50 | | | 3 |
| | | | >8 | | | | | | | 5 |
| | | | 16 | | 1 | | 17 | | | |
| | | | 32 | | | 1 | 1 | 2 | | |
| | | | >32 | | 10 | 85 | | | | |
| | | | 64 | | | | 1 | | | |
| | | | >64 | | | | 2 | | | |

| AM substance | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | | | | |
|------------------------------|------------|-----------------|---------------|----------|----|----|----|----|
| | ECOFF | 0.5 | 16 | 0.064 | 2 | | | |
| Lowest limit | 0.25 | 8 | 0.015 | 1 | | | | |
| Highest limit | 8 | 64 | 8 | 16 | | | | |
| N of tested isolates | 85 | 11 | 85 | 11 | 85 | | | |
| MI N of resistant C isolates | 84 | 5 | 22 | 11 | 59 | 0 | 0 | |
| | | | | | 14 | | | |
| | | | | | 12 | | | |
| | | | | | 1 | | | |
| | | | | | 1 | 16 | | |
| | 1 | | | | 3 | 16 | | |
| | | | | | | | 11 | 82 |
| | 3 | | | | 2 | 12 | | |
| | | | | | | | | |
| | 6 | | | | | | | 3 |
| | | | | | | | | |
| | 3 | | | | 1 | 2 | | |
| | | | | | | | | |
| | | | | | | | 5 | 47 |
| | 10 | | | | | 1 | | |
| | 62 | | | | 4 | 11 | | |
| | | 1 | | | | | | 16 |
| | | | | | | | | 4 |
| | | | | | | | | |
| | | | | | | | | 11 |
| | | 5 | | | | | | 7 |

ESBL Genes
 AMPC Genes
 CARBA Genes
 Not Available
 Not Available
 Not Available

| ESBL Genes | AMPC Genes | CARBA Genes | AM substance | | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | | | |
|---------------|---------------|---------------|----------------------|-----|------------|-----------|----------------|------------------|--------------|----|----|----|
| | | | ECOFF | MI | | | | | | | | |
| Not Available | Not Available | Not Available | ECOFF | 2 | 0.125 | 8 | 64 | 8 | | | | |
| | | | Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | | | | |
| | | | Highest limit | 16 | 16 | 64 | 512 | 32 | | | | |
| | | | N of tested isolates | 11 | 85 | 11 | 85 | 11 | 85 | 11 | | |
| | | | MI | 3 | 1 | 0 | 0 | 10 | 46 | 7 | 41 | 8 |
| | | | <=0.03 | | | 11 | 83 | | | | | |
| | | | 0.064 | | | | 2 | | | | | |
| | | | <=0.25 | | | | | | | | | |
| | | | <=0.5 | 4 | 25 | | | | | | | |
| | | | 0.5 | | | | | | | | | |
| | | | 1 | 4 | 46 | | | | | | | |
| | | | <=2 | | | | | | | | | 2 |
| | | | 2 | | 13 | | | | | | | |
| | | | <=4 | | | | | | 29 | | | |
| | | | 4 | | | | | | | | | 1 |
| | | | <=8 | | | | | | | 3 | 9 | |
| | | | 8 | | | | | | 1 | 10 | | |
| | | | 16 | 1 | | | | | 3 | 21 | 1 | 10 |
| | | | >16 | 2 | 1 | | | | | | | |
| | | | 32 | | | | | | | 2 | | 13 |
| >32 | | | | | | | | | | 6 | | |
| 64 | | | | | | | 2 | | 12 | | | |
| >64 | | | | | | 7 | 21 | | | | | |
| 128 | | | | | | | | | 2 | | | |
| >128 | | | | | | | | 7 | 39 | | | |

| ESBL Genes | AMPC Genes | CARBA Genes | AM substance | | | |
|------------|------------|-------------|-------------------------|-------------|--------------|------|
| | | | Tetracycline | Tigecycline | Trimethoprim | |
| No | No | No | ECOFF | 8 | 0.5 | 2 |
| | | | Lowest limit | 2 | 0.25 | 0.25 |
| | | | Highest limit | 32 | 8 | 16 |
| | | | N of tested isolates | 85 | 11 | 85 |
| | | | MI | 57 | 1 | 0 |
| | | | C | | | 5 |
| | | | N of resistant isolates | | | 18 |
| | | | <=0.03 | | | |

| | | AM substance | | | | |
|--|-----------------------------|--------------|-------------|-----------|--------------|-----------|
| | | Tetracycline | Tigecycline | | Trimethoprim | |
| | | 8 | 0.5 | | 2 | |
| | ECOFF | 2 | 0.25 | | 0.25 | |
| | Lowest limit | 32 | 8 | | 16 | |
| | Highest limit | 85 | 11 | 85 | 11 | 85 |
| | N of tested isolates | 57 | 1 | 0 | 5 | 18 |
| | MI | | | | | |
| | C | | | | | |
| | | 0.064 | | | | |
| | | <=0.25 | 8 | 74 | 5 | 4 |
| | | <=0.5 | | | | |
| | | 0.5 | 2 | 11 | 1 | 15 |
| | | 1 | 1 | | | 38 |
| | | <=2 | 21 | | | |
| | | 2 | | | | 10 |
| | | <=4 | | | | |
| | | 4 | 6 | | | 2 |
| | | <=8 | | | | |
| | | 8 | 1 | | | |
| | | 16 | 1 | | | |
| | | >16 | | | 5 | 16 |
| | | 32 | 4 | | | |
| | | >32 | 52 | | | |
| | | 64 | | | | |
| | | >64 | | | | |
| | | 128 | | | | |
| | | >128 | | | | |
| | | >512 | | | | |

ESBL Genes
 AMPC Genes
 CARBA Genes
 Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from broilers (Gallus gallus) - fresh - chilled

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON pn12

Analytical Method: Dilution method test

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMPC Genes | CARBA Genes | AM substance | | | | | | | | | | | |
|------------|------------|-------------|--------------------------------|-------|-----------|-------|------------------------------|------|-----------|-----|------------|----|-------------------------------|---|
| | | | Cefepime | | Cefotaxim | | Cefotaxime + Clavulanic acid | | Cefoxitin | | Ceftazidim | | Ceftazidime + Clavulanic acid | |
| | | | ECOFF | 0.125 | 0.25 | 0.25 | 0.25 | 8 | 0.5 | 0.5 | | | | |
| | | | Lowest limit | 0.064 | 0.25 | 0.064 | 0.5 | 0.25 | 0.125 | | | | | |
| | | | Highest limit | 32 | 64 | 64 | 64 | 128 | 128 | | | | | |
| | | | N of tested isolates | 19 | 141 | 19 | 141 | 19 | 141 | 19 | 141 | 19 | | |
| | | | N of resistant isolates | 18 | 127 | 19 | 141 | 3 | 23 | 3 | 31 | 19 | | |
| | | | MIC | | | | | | | | | | | |
| | | | <=0.015 | | | | | | | | | | | |
| | | | <=0.03 | | | | | | | | | | | |
| | | | 0.03 | | | | | | | | | | | |
| | | | <=0.064 | | 2 | | 14 | 70 | | | | | | |
| | | | 0.064 | | | | | | | | | | | |
| | | | <=0.125 | | | | | | | | | 9 | | |
| | | | 0.125 | 1 | 12 | | 1 | 44 | | | | | | |
| | | | 0.25 | 2 | 13 | | 1 | 4 | | | | 7 | | |
| | | | <=0.5 | | | | | | | | | | | |
| | | | 0.5 | 2 | 30 | | | | | | | 1 | | |
| | | | 1 | | 22 | | | | | | 1 | 15 | | |
| | | | 2 | 3 | 12 | 1 | 2 | | 9 | 10 | 9 | 3 | 10 | |
| | | | 4 | 3 | 9 | 1 | 26 | 2 | 8 | 2 | 56 | | 6 | |
| | | | 8 | 8 | 8 | 3 | 31 | 1 | 5 | 4 | 45 | 7 | 23 | 3 |
| | | | 16 | | 9 | 1 | 26 | | | | 14 | 6 | 38 | |

| | | | AM substance | | | | | | | | | | | |
|------------|------------|-------------|-------------------------|-----------|------------------------------|-----------|------------|-------------------------------|-------|----|-----|----|-----|----|
| | | | Cefepime | Cefotaxim | Cefotaxime + Clavulanic acid | Cefoxitin | Ceftazidim | Ceftazidime + Clavulanic acid | | | | | | |
| ESBL Genes | AMPC Genes | CARBA Genes | ECOFF | 0.125 | 0.25 | 0.25 | 8 | 0.5 | 0.5 | | | | | |
| | | | Lowest limit | 0.064 | 0.25 | 0.064 | 0.5 | 0.25 | 0.125 | | | | | |
| | | | Highest limit | 32 | 64 | 64 | 64 | 128 | 128 | | | | | |
| | | | N of tested isolates | 19 | 141 | 19 | 141 | 19 | 141 | 19 | 141 | 19 | 141 | 19 |
| | | | N of resistant isolates | 18 | 127 | 19 | 141 | 3 | 23 | 3 | 31 | 19 | 140 | 3 |
| | | | MIC | 32 | 10 | 4 | 8 | 1 | 11 | 30 | | | | |
| | | | | >32 | 14 | | | | | | | | | |
| | | | | 64 | | 4 | 6 | 1 | 2 | 3 | 1 | 16 | | |
| | | | | >64 | | 5 | 42 | | | 3 | | | | |
| | | | | 128 | | | | | | | | 1 | 2 | |

| | | | AM substance | | | | | | | | | | |
|------------|------------|-------------|-------------------------------|-----------|----------|-----------|------------|-----|----|-----|----|-----|--|
| | | | Ceftazidime + Clavulanic acid | Ertapenem | Imipenem | Meropenem | Temocillin | | | | | | |
| ESBL Genes | AMPC Genes | CARBA Genes | ECOFF | 0.5 | 0.064 | 0.5 | 0.125 | 16 | | | | | |
| | | | Lowest limit | 0.125 | 0.015 | 0.125 | 0.03 | 0.5 | | | | | |
| | | | Highest limit | 128 | 2 | 16 | 16 | 128 | | | | | |
| | | | N of tested isolates | 141 | 19 | 141 | 19 | 141 | 19 | 141 | 19 | 141 | |
| | | | N of resistant isolates | 23 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | MIC | <=0.015 | 10 | 101 | | | | | | | |
| | | | | <=0.03 | | | 18 | 130 | | | | | |
| | | | | 0.03 | 9 | 30 | | | | | | | |
| | | | | <=0.064 | | | | | | | | | |
| | | | | 0.064 | | | 6 | 1 | 11 | | | | |
| | <=0.125 | 38 | | | 12 | 43 | | | | | | | |
| | 0.125 | | | | 4 | | | | | | | | |

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from broilers (Gallus gallus) - fresh - chilled

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON

Analytical Method: Dilution method test

Country Of Origin:Spain

Sampling Details:N_A

| | | AM substance | | | | | | | | | |
|---------------|---------|-------------------------|-----|---------------|-----|--------------|------|-----------|-----|------------|----|
| | | Amikacin | | Ampicillin | | Azithromycin | | Cefotaxim | | Ceftazidim | |
| ESBL Genes | | CARBA Genes | | AMPC Genes | | | | | | | |
| Not Available | | Not Available | | Not Available | | | | | | | |
| | | ECOFF | 8 | 8 | 16 | 0.25 | 0.5 | | | | |
| | | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | | | | |
| | | Highest limit | 128 | 32 | 64 | 4 | 8 | | | | |
| | | N of tested isolates | 19 | 141 | 19 | 141 | 19 | 141 | 19 | 141 | 19 |
| MI | | N of resistant isolates | | | | | | | | | |
| C | | 0 | 1 | 19 | 141 | 1 | 6 | 19 | 141 | 19 | |
| | <=0.015 | | | | | | | | | | |
| | 0.03 | | | | | | | | | | |
| | 0.064 | | | | | | | | | | |
| | 0.125 | | | | | | | | | | |
| | 0.25 | | | | | | | | | | |
| | 0.5 | | | | | | | | | | |
| | <=1 | | | | | | | | | | |
| | 1 | | | | | | | | | | 2 |
| | <=2 | | | | | | 1 | | | | |
| | 2 | | | | | | | 1 | 1 | | 2 |
| | <=4 | 18 | 118 | | | | | | | | |
| | 4 | | | | | 10 | 26 | 1 | 28 | | 1 |
| | >4 | | | | | | | 17 | 112 | | |
| | <=8 | | | | | | | | | | |
| | 8 | 1 | 22 | | | 8 | 86 | | | | 8 |
| | >8 | | | | | | | | | | 6 |

| ESBL Genes | AMPC Genes | CARBA Genes | AM substance | | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | | | |
|---------------|---------------|---------------|-------------------------|-----|----------|------------|--------------|-----------|------------|----|-----|----|
| | | | MI | C | | | | | | | | |
| Not Available | Not Available | Not Available | ECOFF | 8 | 8 | 16 | 0.25 | 0.5 | | | | |
| | | | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | | | | |
| | | | Highest limit | 128 | 32 | 64 | 4 | 8 | | | | |
| | | | N of tested isolates | 19 | 141 | 19 | 141 | 19 | 141 | 19 | | |
| | | | N of resistant isolates | 0 | 1 | 19 | 141 | 1 | 6 | 19 | 141 | 19 |
| | | | 16 | | 1 | | | 22 | | | | |
| | | | 32 | | | | | 1 | | | | |
| | | | >32 | | | 19 | 141 | | | | | |
| | | | 64 | | | | | 1 | 4 | | | |
| | | | >64 | | | | | | 1 | | | |

| ESBL Genes | AMPC Genes | CARBA Genes | AM substance | | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | | |
|---------------|---------------|---------------|-------------------------|------|------------|-----------------|---------------|----------|----|-----|
| | | | MI | C | | | | | | |
| Not Available | Not Available | Not Available | ECOFF | 0.5 | 16 | 0.064 | 2 | | | |
| | | | Lowest limit | 0.25 | 8 | 0.015 | 1 | | | |
| | | | Highest limit | 8 | 64 | 8 | 16 | | | |
| | | | N of tested isolates | 141 | 19 | 141 | 19 | 141 | 19 | 141 |
| | | | N of resistant isolates | 140 | 7 | 45 | 14 | 118 | 0 | 0 |
| | | | <=0.015 | | | | 5 | 12 | | |
| | | | 0.03 | | | | | 10 | | |
| | | | 0.064 | | | | | 1 | | |
| | | | 0.125 | | | | | 1 | | |
| | | | 0.25 | | | | 2 | 22 | | |
| 0.5 | 1 | | | 2 | 28 | | | | | |
| <=1 | | | | | | 19 | 141 | | | |
| 1 | 16 | | | 1 | 8 | | | | | |
| <=2 | | | | | | | | | | |
| 2 | 10 | | | | 6 | | | | | |
| <=4 | | | | | | | | | | |
| 4 | 8 | | | 1 | 5 | | | | | |
| >4 | | | | | | | | | | |
| <=8 | | 12 | 79 | | | | | | | |
| 8 | 28 | | | 4 | 22 | | | | | |
| >8 | 78 | | | 4 | 26 | | | | | |

| | | AM substance | | | | | | | | |
|---------------|-------------|----------------------|-------------------------|-----|---------------|----------|-----|-----|-----|---|
| | | Ceftazidim | Chloramphenicol | | Ciprofloxacin | Colistin | | | | |
| ESBL Genes | CARBA Genes | ECOFF | 0.5 | 16 | 0.064 | 2 | | | | |
| | | Lowest limit | 0.25 | 8 | 0.015 | 1 | | | | |
| | | Highest limit | 8 | 64 | 8 | 16 | | | | |
| | | N of tested isolates | 141 | 19 | 141 | 19 | 141 | 19 | 141 | |
| | AMPC Genes | MI | N of resistant isolates | 140 | 7 | 45 | 14 | 118 | 0 | 0 |
| | | Not Available | 16 | | | 17 | | | | |
| | | | 32 | | | 8 | | | | |
| | | | >32 | | | | | | | |
| | | | 64 | 2 | 10 | | | | | |
| | | | >64 | 5 | 27 | | | | | |
| Not Available | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| ESBL Genes | AMPC Genes | CARBA Genes | AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline |
|------------|------------|-------------|-------------------------------------|------------|--------------|----------------|------------------|--------------|
| | | | | | | | | |
| | | | ECOFF | 2 | 0.125 | 8 | 64 | 8 |
| | | | Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 |
| | | | Highest limit | 16 | 16 | 64 | 512 | 32 |
| | | | N of tested isolates | 19 | 141 | 19 | 141 | 19 |
| | | | MI N of resistant C isolates | 4 | 24 | 0 | 0 | 13 |
| | | | <=0.03 | | 18 | 137 | | |
| | | | 0.064 | | 1 | 2 | | |
| | | | 0.125 | | | 2 | | |
| | | | <=0.25 | | | | | |
| | | | <=0.5 | 8 | 28 | | | |
| | | | 0.5 | | | | | |
| | | | 1 | 7 | 67 | | | |
| | | | <=2 | | | | | 6 |
| | | | 2 | | 22 | | | |
| | | | <=4 | | | 5 | 21 | |
| | | | 4 | | | | | |
| | | | <=8 | | | | 1 | 6 |
| | | | 8 | | | | 26 | |
| | | | 16 | 1 | 2 | 1 | 9 | 2 |
| | | | >16 | 3 | 22 | | | |
| | | | 32 | | | | 5 | 1 |
| | | | >32 | | | | | 18 |
| | | | 64 | | | 1 | 2 | 12 |
| | | | >64 | | | 12 | 78 | |
| | | | 128 | | | | | 1 |
| | | | 256 | | | | | 1 |
| | | | >512 | | | | 15 | 84 |

| | | AM substance | | | | | | | |
|------------|------------|--------------|----------------------|-------------------------|------|------|-----|-----|----|
| | | Tetracycline | Tigecycline | Trimethoprim | | | | | |
| ESBL Genes | AMPC Genes | CARBA Genes | ECOFF | 8 | 0.5 | 2 | | | |
| | | | Lowest limit | 2 | 0.25 | 0.25 | | | |
| | | | Highest limit | 32 | 8 | 16 | | | |
| | | | N of tested isolates | 141 | 19 | 141 | 19 | 141 | |
| | | | MI | N of resistant isolates | 85 | 0 | 0 | 11 | 42 |
| | | | C | | | | | | |
| | | | | <=0.03 | | | | | |
| | | | | 0.064 | | | | | |
| | | | | 0.125 | | | | | |
| | | | | <=0.25 | | 13 | 119 | 5 | 11 |
| | <=0.5 | | | | | | | | |
| | 0.5 | | 6 | 22 | 3 | 19 | | | |
| | 1 | | | | | 52 | | | |
| | <=2 | 44 | | | | | | | |
| | 2 | | | | | 17 | | | |
| | <=4 | | | | | | | | |
| | 4 | 10 | | | | 2 | | | |
| | <=8 | | | | | | | | |
| | 8 | 2 | | | | | | | |
| | 16 | | | | | | | | |
| | >16 | | | | 11 | 40 | | | |
| | 32 | 7 | | | | | | | |
| | >32 | 78 | | | | | | | |
| | 64 | | | | | | | | |
| | >64 | | | | | | | | |
| | 128 | | | | | | | | |
| | 256 | | | | | | | | |
| | >512 | | | | | | | | |

ESBL Genes
AMPC Genes
CARBA Genes
Not Available
Not Available
Not Available

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Gallus gallus (fowl) - broilers

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON pnl2

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMPC Genes | CARBA Genes | MIC | AM substance | | | | | | | | | | |
|---------------|---------------|---------------|-------------------------|--------------|-----------|------------------------------|-----------|------------|-------------------------------|-----------|----------|-----------|------------|---|
| | | | | Cefepime | Cefotaxim | Cefotaxime + Clavulanic acid | Cefoxitin | Ceftazidim | Ceftazidime + Clavulanic acid | Ertapenem | Imipenem | Meropenem | Temocillin | |
| | | | ECOFF | 0.125 | 0.25 | 0.25 | 8 | 0.5 | 0.5 | 0.064 | 0.5 | 0.125 | 16 | |
| | | | Lowest limit | 0.064 | 0.25 | 0.064 | 0.5 | 0.25 | 0.125 | 0.015 | 0.125 | 0.03 | 0.5 | |
| | | | Highest limit | 32 | 64 | 64 | 64 | 128 | 128 | 2 | 16 | 16 | 128 | |
| | | | N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | | N of resistant isolates | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | |
| Not Available | Not Available | Not Available | <=0.015 | | | | | | | 1 | | | | |
| | | | <=0.03 | | | | | | | | | 1 | | |
| | | | <=0.125 | | | | | | | | | | 1 | |
| | | | 0.125 | 1 | | | | | | | | | | |
| | | | 4 | | | 1 | | | | 1 | | | | |
| | | | 8 | | | | 1 | | | 1 | | | | 1 |
| | | | 16 | | | | 1 | | | | | | | |

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Gallus gallus (fowl) - broilers

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin: Spain

Sampling Details: N_A

| | | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | |
|------------|---------------|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|--|
| ESBL Genes | AMPC Genes | ECOFF | 8 | 8 | 16 | 0.25 | 0.5 | 16 | 0.064 | 2 | |
| | CARBA Genes | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | |
| | | Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | |
| | | N of tested isolates | 168 | 168 | 168 | 168 | 168 | 168 | 168 | 168 | |
| | | MI | | | | | | | | | |
| | | N of resistant isolates | 0 | 52 | 2 | 1 | 1 | 14 | 106 | 0 | |
| | Not Available | | <=0.015 | | | | | | 55 | | |
| | | | 0.03 | | | | | | 6 | | |
| | | | 0.064 | | | | | | 1 | | |
| | | | 0.125 | | | | | | 14 | | |
| | | <=0.25 | | | | 167 | 153 | | | | |
| | | 0.25 | | | | | | 34 | | | |
| | | 0.5 | | | | | 14 | 21 | | | |
| | | <=1 | | 8 | | | | | | 168 | |
| | | 1 | | | | | | 16 | | | |
| | | <=2 | | | 10 | | | | | | |
| | | 2 | | 49 | | | | 2 | | | |
| | | <=4 | 162 | | | | | | | | |
| | | 4 | | 49 | 68 | 1 | | 3 | | | |
| | | <=8 | | | | | | 146 | | | |
| | | 8 | 6 | 10 | 76 | | 1 | 12 | | | |
| | >8 | | | | | | 4 | | | | |

| ESBL Genes | AMPC Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|------------|------------|---------------|-----------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | | | | | | | | | |
| | | | ECOFF | 8 | 8 | 16 | 0.25 | 0.5 | 16 | 0.064 | 2 |
| | | | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | | | Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | | | N of tested isolates | 168 | 168 | 168 | 168 | 168 | 168 | 168 | 168 |
| | | | MI | 0 | 52 | 2 | 1 | 1 | 14 | 106 | 0 |
| | | | C | | | | | | | | |
| | | Not Available | 16 | | | 12 | | | 8 | | |
| | | Not Available | 32 | | | 2 | | | 1 | | |
| | | Not Available | >32 | | 52 | | | | | | |
| | | Not Available | 64 | | | | | | 4 | | |
| | | Not Available | >64 | | | | | | 9 | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|-------------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 64 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 168 | 168 | 168 | 168 | 168 | 168 | 168 |
| MI N of resistant C isolates | 12 | 0 | 92 | 29 | 51 | 0 | 16 |
| | <=0.03 | 168 | | | | | |
| | <=0.25 | | | | | 157 | 93 |
| | <=0.5 | 107 | | | | | |
| | 0.5 | | | | | 11 | 57 |
| | 1 | 46 | | | | | 2 |
| | <=2 | | | | 115 | | |
| | 2 | 3 | | | | | |
| | <=4 | | 66 | | | | |
| | 4 | | | | 1 | | |
| | <=8 | | | 66 | | | |
| | 8 | | 10 | | 1 | | |
| | 16 | | 5 | 57 | | | |
| | >16 | 12 | | | | | 16 |
| | 32 | | 1 | 16 | 3 | | |
| | >32 | | | | 48 | | |
| | 64 | | 13 | | | | |
| | >64 | | 73 | | | | |
| | >512 | | | 29 | | | |

ESBL Genes
 AMPC Genes
 CARBA Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Gallus gallus (fowl) - broilers

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Selective sampling

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin: Spain

Sampling Details: N_A

| | | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | |
|------------|------------|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|--|
| ESBL Genes | AMPC Genes | ECOFF | 8 | 8 | 16 | 0.25 | 0.5 | 16 | 0.064 | 2 | |
| | | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | |
| | | Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | |
| | | N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | MI | | | | | | | | | |
| | | C | | | | | | | | | |
| | | N of resistant isolates | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | <=0.015 | | | | | | | 1 | | |
| | | <=0.25 | | | | | 1 | 1 | | | |
| | | <=1 | | | | | | | | 1 | |
| <=2 | | | | 1 | | | | | | | |
| <=4 | | 1 | | | | | | | | | |
| <=8 | | | | | | | 1 | | | | |
| >32 | | | 1 | | | | | | | | |

CARBA Genes
Not Available

AMPC Genes
Not Available

ESBL Genes
Not Available

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Gallus gallus (fowl) - broilers

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | AM substance | | | | | | | |
|------------|-------------------------|--------------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
| ESBL Genes | ECOFF | 8 | 8 | 16 | 0.25 | 0.5 | 16 | 0.064 | 2 |
| | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | MI | | | | | | | | |
| | C | | | | | | | | |
| | N of resistant isolates | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| | <=0.25 | | | | 1 | 1 | | | |
| | 0.25 | | | | | | | 1 | |
| | <=1 | | | | | | | | 1 |
| <=4 | 1 | | | | | | | | |
| <=8 | | | | | | 1 | | | |
| 8 | | | 1 | | | | | | |
| >32 | | 1 | | | | | | | |

CARBA Genes
AMPC Genes
ESBL Genes
Not Available
Not Available
Not Available

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|-----------------------------------|---------------|-----------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 64 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| MI N of resistant isolates | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| ESBL Genes | Not Available | | | | | | |
| AMP C Genes | Not Available | | | | | | |
| CARBA Genes | Not Available | | | | | | |
| | <=0.03 | 1 | | | | | |
| | <=0.25 | | | | | 1 | 1 |
| | <=2 | | | | 1 | | |
| | 16 | | | 1 | | | |
| | >16 | 1 | | | | | |
| | >64 | | 1 | | | | |

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Gallus gallus (fowl) - broilers

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON pnl2

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | AM substance | | | | | | | | | | | | |
|------------|------------|--------------|-------------------------|------------------------------|-----------|------------|-------------------------------|-----------|----------|-----------|------------|-------|-----|--|
| | | Cefepime | Cefotaxim | Cefotaxime + Clavulanic acid | Cefoxitin | Ceftazidim | Ceftazidime + Clavulanic acid | Ertapenem | Imipenem | Meropenem | Temocillin | | | |
| ESBL Genes | AMPC Genes | CARBA Genes | ECOFF | 0.125 | 0.25 | 0.25 | 8 | 0.5 | 0.5 | 0.064 | 0.5 | 0.125 | 16 | |
| | | | Lowest limit | 0.064 | 0.25 | 0.064 | 0.5 | 0.25 | 0.125 | 0.015 | 0.125 | 0.03 | 0.5 | |
| | | | Highest limit | 32 | 64 | 64 | 64 | 128 | 128 | 2 | 16 | 16 | 128 | |
| | | | N of tested isolates | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | |
| | | | N of resistant isolates | 225 | 240 | 39 | 50 | 233 | 41 | 5 | 0 | 0 | 0 | |
| | | | MIC | | | | | | | | | | | |
| | | | | <=0.015 | | | | | | 182 | | | | |
| | | | | <=0.03 | | | | | | | | 238 | | |
| | | | | 0.03 | | | | | | 31 | | | | |
| | | | | <=0.064 | 2 | | 143 | | | | | | | |
| | | | | 0.064 | | | | | | 22 | | 2 | | |
| | | | | <=0.125 | | | | | | 101 | | 112 | | |
| | | | | 0.125 | 13 | | 52 | | | 5 | | | | |
| | 0.25 | 28 | | 6 | | | 89 | | 121 | | | | | |
| | 0.5 | 70 | | | | | 7 | | 7 | | | | | |
| | 1 | 35 | 1 | | | | 24 | 1 | | | | | | |
| | 2 | 16 | 6 | 8 | 40 | | 7 | 8 | | | 2 | | | |
| | 4 | 25 | 60 | 17 | 105 | | 16 | 11 | | | 67 | | | |
| | 8 | 13 | 55 | 10 | 45 | | 36 | 10 | | | 133 | | | |
| | 16 | 10 | 43 | 4 | 14 | | 60 | 8 | | | 38 | | | |
| | 32 | 13 | 15 | | 14 | | 61 | 3 | | | | | | |

| | | AM substance | | | | | | | | | | |
|------------|-------------|-------------------------|-----------|------------------------------|-----------|------------|-------------------------------|-----------|----------|-----------|------------|-----|
| | | Cefepime | Cefotaxim | Cefotaxime + Clavulanic acid | Cefoxitin | Ceftazidim | Ceftazidime + Clavulanic acid | Ertapenem | Imipenem | Meropenem | Temocillin | |
| ESBL Genes | CARBA Genes | ECOFF | 0.125 | 0.25 | 0.25 | 8 | 0.5 | 0.5 | 0.064 | 0.5 | 0.125 | 16 |
| | | Lowest limit | 0.064 | 0.25 | 0.064 | 0.5 | 0.25 | 0.125 | 0.015 | 0.125 | 0.03 | 0.5 |
| | | Highest limit | 32 | 64 | 64 | 64 | 128 | 128 | 2 | 16 | 16 | 128 |
| | | N of tested isolates | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 |
| | | N of resistant isolates | 225 | 240 | 39 | 50 | 233 | 41 | 5 | 0 | 0 | 0 |
| | | MIC | | | | | | | | | | |
| ESBL Genes | AMPc Genes | Not Available | >32 | 15 | | | | | | | | |
| | | | 64 | | 22 | 12 | 22 | | | | | |
| | | | >64 | | 38 | 10 | | | | | | |
| | | | 128 | | | | 6 | | | | | |
| | | | >128 | | | | | 1 | | | | |

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Gallus gallus (fowl) - broilers

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | AM substance | Amlkacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | | | | | |
|------------|--------------------------------|--------------|---------------|------------|---------------|-----------|------------|-----------------|---------------|----------|-----|----|-----|-----|---|
| | ECOFF | | 8 | 8 | 16 | 0.25 | 0.5 | 16 | 0.064 | 2 | | | | | |
| | Lowest limit | | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | | | |
| | Highest limit | | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | | | |
| | N of tested isolates | | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | | | | | |
| | MI | | | | | | | | | | | | | | |
| | N of resistant isolates | | 0 | 240 | 10 | 240 | 233 | 62 | 202 | 0 | | | | | |
| ESBL Genes | Not Available | CARBA Genes | Not Available | AMPC Genes | Not Available | <=0.015 | | | 28 | | | | | | |
| | | | | | | 0.03 | | | | | 10 | | | | |
| | | | | | | 0.125 | | | | | 4 | | | | |
| | | | | | | <=0.25 | | | | 1 | | | | | |
| | | | | | | 0.25 | | | | | | 58 | | | |
| | | | | | | 0.5 | | | | | 6 | | 31 | | |
| | | | | | | <=1 | | | | | | | | 239 | |
| | | | | | | 1 | | | | | | 25 | | 16 | |
| | | | | | | <=2 | | | 10 | | | | | | |
| | | | | | | 2 | | | | | 13 | 8 | | 9 | 1 |
| | | | | | | <=4 | 224 | | | | | | | | |
| | | | | | | 4 | | | 127 | | 52 | 12 | | 15 | |
| | | | | | | >4 | | | | | 175 | | | | |
| | | | | | | <=8 | | | | | | | 176 | | |
| | | | | | | 8 | | 16 | | 80 | | 40 | | 45 | |
| >8 | | | | | | 148 | | 24 | | | | | | | |

| ESBL Genes | AMP C Genes | CARBA Genes | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|------------|-------------|---------------|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | | | | | | | | | |
| | | | ECOFF | 8 | 8 | 16 | 0.25 | 0.5 | 16 | 0.064 | 2 |
| | | | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | | | Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | | | N of tested isolates | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 |
| | | | MI C | | | | | | | | |
| | | | N of resistant isolates | 0 | 240 | 10 | 240 | 233 | 62 | 202 | 0 |
| | | Not Available | 16 | | | 13 | | | 2 | | |
| | | Not Available | 32 | | | 6 | | | 11 | | |
| | | Not Available | >32 | | 240 | | | | | | |
| | | Not Available | 64 | | | 4 | | | 16 | | |
| | | Not Available | >64 | | | | | | 35 | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|-------------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 64 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 240 | 240 | 240 | 240 | 240 | 240 | 240 |
| MI N of resistant C isolates | 34 | 0 | 151 | 124 | 129 | 0 | 71 |
| | <=0.03 | 238 | | | | | |
| | 0.064 | 2 | | | | | |
| | <=0.25 | | | | | 237 | 112 |
| | <=0.5 | 110 | | | | | |
| | 0.5 | | | | | 3 | 55 |
| | 1 | 89 | | | | | 2 |
| | <=2 | | | | 110 | | |
| | 2 | 7 | | | | | |
| | <=4 | | 55 | | | | |
| | 4 | | | | 1 | | |
| | <=8 | | | 60 | | | |
| | 8 | 1 | 34 | | | | |
| | 16 | 11 | 13 | 50 | 1 | | |
| | >16 | 22 | | | | | 71 |
| | 32 | | 2 | 6 | 13 | | |
| | >32 | | | | 115 | | |
| | 64 | | 7 | | | | |
| | >64 | | 129 | | | | |
| | 512 | | | 1 | | | |
| | >512 | | | 123 | | | |

ESBL Genes
 AMPC Genes
 CARBA Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from broilers (Gallus gallus) - fresh - frozen

Sampling Stage: Border Control Posts

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON pnl2

Analytical Method: Macromethod broth dilution and plates incubation (Dilution - broth on agar plates)

Country Of Origin: Brazil

Sampling Details: N_A

| | AM substance | | | | | | | | | | | | |
|---|-------------------------|----------|-----------|------------------------------|-----------|------------|-------------------------------|-----------|----------|-----------|------------|--|--|
| | | Cefepime | Cefotaxim | Cefotaxime + Clavulanic acid | Cefoxitin | Ceftazidim | Ceftazidime + Clavulanic acid | Ertapenem | Imipenem | Meropenem | Temocillin | | |
| | ECOFF | 0.125 | 0.25 | 0.25 | 8 | 0.5 | 0.5 | 0.064 | 0.5 | 0.125 | 16 | | |
| | Lowest limit | 0.064 | 0.25 | 0.064 | 0.5 | 0.25 | 0.125 | 0.015 | 0.125 | 0.03 | 0.5 | | |
| | Highest limit | 32 | 64 | 64 | 64 | 128 | 128 | 2 | 16 | 16 | 128 | | |
| | N of tested isolates | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | |
| | N of resistant isolates | 7 | 9 | 3 | 3 | 10 | 3 | 1 | 0 | 0 | 0 | | |
| ESBL Genes AMPC Genes CARBA Genes | MIC | | | | | | | | | | | | |
| | Not Available | | | | | | | | | | | | |
| | Not Available | | | | | | | | | | | | |
| | Not Available | | | | | | | | | | | | |
| | <=0.015 | | | | | | | | 4 | | | | |
| | <=0.03 | | | | | | | | | | 9 | | |
| | 0.03 | | | | | | | | 3 | | | | |
| | <=0.064 | 3 | 5 | | | | | | | | | | |
| | 0.064 | | | | | | | | 2 | 1 | | | |
| | <=0.125 | | | | | | | 3 | 6 | | | | |
| | 0.125 | 2 | | | | | | | | | | | |
| | <=0.25 | 1 | | | | | | | | | | | |
| | 0.25 | | | | | | | 3 | 2 | | | | |
| 0.5 | 2 | | | | | | 1 | 2 | | | | | |
| 1 | 1 | | | | | 1 | | | | | | | |
| 2 | | | | | 2 | 3 | | | | | | | |
| 4 | 1 | 2 | | 5 | 2 | | 1 | 3 | | | | | |
| 8 | 1 | 1 | | | | | 2 | 1 | 3 | | | | |

| | | AM substance | | | | | | | | | | |
|------------|---------------|-------------------------|-----------|------------------------------|-----------|------------|-------------------------------|-----------|----------|-----------|------------|-----|
| | | Cefepime | Cefotaxim | Cefotaxime + Clavulanic acid | Cefoxitin | Ceftazidim | Ceftazidime + Clavulanic acid | Ertapenem | Imipenem | Meropenem | Temocillin | |
| ESBL Genes | CARBA Genes | ECOFF | 0.125 | 0.25 | 0.25 | 8 | 0.5 | 0.5 | 0.064 | 0.5 | 0.125 | 16 |
| | | Lowest limit | 0.064 | 0.25 | 0.064 | 0.5 | 0.25 | 0.125 | 0.015 | 0.125 | 0.03 | 0.5 |
| | | Highest limit | 32 | 64 | 64 | 64 | 128 | 128 | 2 | 16 | 16 | 128 |
| | | N of tested isolates | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | | N of resistant isolates | 7 | 9 | 3 | 3 | 10 | 3 | 1 | 0 | 0 | 0 |
| | | MIC | 16 | 1 | | 2 | 2 | 1 | | | | 4 |
| ESBL Genes | AMPc Genes | 32 | 1 | | 1 | | | | | | | |
| | | >32 | 3 | | | | | | | | | |
| | | 64 | | 1 | | | | | | | | |
| | | >64 | | 5 | | | | | | | | |
| ESBL Genes | Not Available | 16 | 1 | | 2 | 2 | 1 | | | | 4 | |
| | | 32 | 1 | | 1 | | | | | | | |
| | | >32 | 3 | | | | | | | | | |
| | | 64 | | 1 | | | | | | | | |
| ESBL Genes | Not Available | >64 | | 5 | | | | | | | | |

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from broilers (Gallus gallus) - fresh - frozen

Sampling Stage: Border Control Posts

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method: Macromethod broth dilution and plates incubation (Dilution - broth on agar plates)

Country Of Origin: Brazil

Sampling Details: N_A

| ESBL Genes | AMPC Genes | CARBA Genes | AM substance | Amlkacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|------------|------------|-------------|-------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 8 | 8 | 16 | 0.25 | 0.5 | 16 | 0.064 | 2 |
| | | | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | | | Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | | | N of tested isolates | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| | | | MI C | | | | | | | | |
| | | | N of resistant isolates | 0 | 15 | 0 | 8 | 10 | 3 | 14 | 3 |
| | | | <=0.015 | | | | | | | 15 | |
| | | | 0.03 | | | | | | | 3 | |
| | | | <=0.25 | | | | 24 | 21 | | | |
| | | | 0.25 | | | | | | | 5 | |
| | | | 0.5 | | | | 1 | 1 | | 4 | |
| | | | <=1 | | | | | | | | 28 |
| | | | 1 | | | | | 4 | | 1 | |
| | | | 2 | | 9 | | | | | | 1 |
| | | | <=4 | 32 | | | | | | | |
| | | | 4 | | 6 | 16 | | 2 | | | 3 |
| | | | >4 | | | | 7 | | | | |
| | | | <=8 | | | | | | 28 | | |
| | | | 8 | | 2 | 14 | | 3 | | 3 | |
| | | | >8 | | | | | 1 | | 1 | |
| | | | 16 | | 2 | 2 | | | 1 | | |
| | | | 32 | | 1 | | | | 1 | | |
| | | | >32 | | 12 | | | | | | |
| | | | >64 | | | | | | 2 | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | |
|-----------------------------|--------------------------------|-------------|----------------|------------------|--------------|-------------|--------------|-----------|
| | ECOFF | 2 | 0.125 | 8 | 64 | 8 | 0.5 | 2 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | |
| N of tested isolates | 32 | 32 | 32 | 32 | 32 | 32 | 32 | |
| MI C | N of resistant isolates | 9 | 0 | 15 | 18 | 10 | 0 | 11 |
| | | <=0.03 | | | | | | 31 |
| | | 0.064 | | | | | | 1 |
| | | <=0.25 | | | | | 24 | 9 |
| | | <=0.5 | 17 | | | | | |
| | | 0.5 | | | | | 8 | 9 |
| | | 1 | 5 | | | | | 1 |
| | | <=2 | | | | 21 | | |
| | | 2 | 1 | | | | | 2 |
| | | <=4 | | 17 | | | | |
| | | 4 | | | | 1 | | |
| | | <=8 | | | 4 | | | |
| | | 16 | 1 | 4 | 5 | | | 1 |
| | | >16 | 8 | | | | | 10 |
| | | 32 | | 1 | 5 | | | |
| | | >32 | | | | 10 | | |
| | | >64 | | 10 | | | | |
| | | >512 | | | 18 | | | |

ESBL Genes
 AMPC Genes
 CARBA Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from broilers (Gallus gallus) - fresh - frozen

Sampling Stage: Border Control Posts

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON pnl2

Analytical Method: Macromethod broth dilution and plates incubation (Dilution - broth on agar plates)

Country Of Origin: Brazil

Sampling Details: N_A

| | | AM substance | | | | | | | | | | | |
|---------------|---------------|-------------------------|---------------|------------------------------|-----------|------------|-------------------------------|-----------|----------|-----------|------------|-----|--|
| | | Cefepime | Cefotaxim | Cefotaxime + Clavulanic acid | Cefoxitin | Ceftazidim | Ceftazidime + Clavulanic acid | Ertapenem | Imipenem | Meropenem | Temocillin | | |
| ESBL Genes | CARBA Genes | ECOFF | 0.125 | 0.25 | 0.25 | 8 | 0.5 | 0.5 | 0.064 | 0.5 | 0.125 | 16 | |
| | | Lowest limit | 0.064 | 0.25 | 0.064 | 0.5 | 0.25 | 0.125 | 0.015 | 0.125 | 0.03 | 0.5 | |
| | | Highest limit | 32 | 64 | 64 | 64 | 128 | 128 | 2 | 16 | 16 | 128 | |
| | | N of tested isolates | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | |
| | | N of resistant isolates | 39 | 39 | 5 | 5 | 37 | 5 | 1 | 0 | 0 | 0 | |
| | | AMPC Genes | Not Available | <=0.015 | | | | | | 18 | | | |
| | | | | <=0.03 | | | | | | | | 38 | |
| | | | | 0.03 | | | | | | 16 | | | |
| | | | | <=0.064 | | | 22 | | | | | | |
| | | | | 0.064 | | | | | | 4 | | 1 | |
| | | | | <=0.125 | | | | | | 8 | | 26 | |
| | | | | 0.125 | | | 12 | | | | 1 | | |
| | | | | 0.25 | 4 | | | | | 25 | | 13 | |
| 0.5 | 1 | | | | | | 2 | 1 | | | | | |
| 1 | 1 | | | | | | | 5 | | | | | |
| Not Available | Not Available | 2 | 1 | | 3 | 3 | | | | | | | |
| | | 4 | 1 | 1 | 1 | 19 | 7 | 1 | | 14 | | | |
| | | 8 | 2 | 5 | 3 | 12 | 14 | 3 | | 20 | | | |

| | | AM substance | | | | | | | | | | |
|------------|-------------|-------------------------|-----------|------------------------------|-----------|------------|-------------------------------|-----------|----------|-----------|------------|-----|
| | | Cefepime | Cefotaxim | Cefotaxime + Clavulanic acid | Cefoxitin | Ceftazidim | Ceftazidime + Clavulanic acid | Ertapenem | Imipenem | Meropenem | Temocillin | |
| ESBL Genes | CARBA Genes | ECOFF | 0.125 | 0.25 | 0.25 | 8 | 0.5 | 0.5 | 0.064 | 0.5 | 0.125 | 16 |
| | | Lowest limit | 0.064 | 0.25 | 0.064 | 0.5 | 0.25 | 0.125 | 0.015 | 0.125 | 0.03 | 0.5 |
| | | Highest limit | 32 | 64 | 64 | 64 | 128 | 128 | 2 | 16 | 16 | 128 |
| | | N of tested isolates | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| | | N of resistant isolates | 39 | 39 | 5 | 5 | 37 | 5 | 1 | 0 | 0 | 0 |
| | | MIC | 16 | 6 | 1 | 1 | 7 | 1 | | | | 5 |
| | | | 32 | 12 | 4 | | 2 | 1 | | | | |
| | | | >32 | 11 | | | | | | | | |
| | | | 64 | | 5 | | 2 | | | | | |
| | | | >64 | | 23 | | 1 | | | | | |
| | AMPC Genes | Not Available | | | | | | | | | | |
| | ESBL Genes | Not Available | | | | | | | | | | |

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from broilers (Gallus gallus) - fresh - frozen

Sampling Stage: Border Control Posts

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON

Analytical Method: Macromethod broth dilution and plates incubation (Dilution - broth on agar plates)

Country Of Origin: Brazil

Sampling Details: N_A

| ESBL Genes | AMPC Genes | CARBA Genes | AM substance | Amlkacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|---------------|---------------|---------------|----------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | | | ECOFF | 8 | 8 | 16 | 0.25 | 0.5 | 16 | 0.064 | 2 |
| | | | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | | | Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | | | N of tested isolates | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| | | | MI N of resistant isolates | 1 | 39 | 2 | 39 | 37 | 9 | 29 | 2 |
| Not Available | Not Available | Not Available | <=0.015 | | | | | | | 8 | |
| Not Available | Not Available | Not Available | 0.03 | | | | | | | 1 | |
| Not Available | Not Available | Not Available | 0.064 | | | | | | | 1 | |
| Not Available | Not Available | Not Available | 0.25 | | | | | | | 3 | |
| Not Available | Not Available | Not Available | 0.5 | | | | | 2 | | 10 | |
| Not Available | Not Available | Not Available | <=1 | | | | | | | | 37 |
| Not Available | Not Available | Not Available | 1 | | | | | 3 | | 1 | |
| Not Available | Not Available | Not Available | <=2 | | | 3 | | | | | |
| Not Available | Not Available | Not Available | 2 | | | | | 5 | | | |
| Not Available | Not Available | Not Available | <=4 | 36 | | | | | | | |
| Not Available | Not Available | Not Available | 4 | | | 20 | 2 | 8 | | 4 | 2 |
| Not Available | Not Available | Not Available | >4 | | | | 37 | | | | |
| Not Available | Not Available | Not Available | <=8 | | | | | | 29 | | |
| Not Available | Not Available | Not Available | 8 | 2 | | 14 | | 12 | | 6 | |
| Not Available | Not Available | Not Available | >8 | | | | | 9 | | 5 | |
| Not Available | Not Available | Not Available | 16 | | | | | | 1 | | |

| AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|----------------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | 8 | 8 | 16 | 0.25 | 0.5 | 16 | 0.064 |
| Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| N of tested isolates | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| MI N of resistant isolates | 1 | 39 | 2 | 39 | 37 | 9 | 29 | 2 |
| ESBL Genes | 32 | | | | | 2 | | |
| AMPC Genes | >32 | 39 | | | | | | |
| CARBA Genes | 64 | | 2 | | | 1 | | |
| | >64 | | | | | 6 | | |
| | >128 | 1 | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim | |
|-----------------------------|--------------------------------|-------------|----------------|------------------|--------------|-------------|--------------|-----------|
| | ECOFF | 2 | 0.125 | 8 | 64 | 8 | 0.5 | 2 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 | |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 | |
| N of tested isolates | 39 | 39 | 39 | 39 | 39 | 39 | 39 | |
| MI C | N of resistant isolates | 23 | 0 | 29 | 26 | 23 | 1 | 20 |
| | <=0.03 | | | | | | | 39 |
| | <=0.25 | | | | | | 30 | 9 |
| | <=0.5 | 13 | | | | | | |
| | 0.5 | | | | | 8 | | 7 |
| | 1 | 3 | | | | 1 | | 1 |
| | <=2 | | | | 15 | | | |
| | 2 | | | | | | | 2 |
| | <=4 | | 8 | | | | | |
| | 4 | | | | 1 | | | |
| | <=8 | | | 3 | | | | |
| | 8 | 3 | 2 | | | | | |
| | 16 | 5 | 6 | 5 | | | | 1 |
| | >16 | 15 | | | | | | 19 |
| | 32 | | | 5 | 3 | | | |
| | >32 | | | | 20 | | | |
| | 64 | | 1 | | | | | |
| | >64 | | 22 | | | | | |
| | >512 | | | 26 | | | | |

ESBL Genes
 AMPC Genes
 CARBA Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Turkeys - fattening flocks

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON pnl2

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | AM substance | | | | | | | | | | | | |
|------------|------------|--------------|-------------------------|------------------------------|-----------|------------|-------------------------------|-----------|----------|-----------|------------|-------|-----|--|
| | | Cefepime | Cefotaxim | Cefotaxime + Clavulanic acid | Cefoxitin | Ceftazidim | Ceftazidime + Clavulanic acid | Ertapenem | Imipenem | Meropenem | Temocillin | | | |
| ESBL Genes | AMPC Genes | CARBA Genes | ECOFF | 0.125 | 0.25 | 0.25 | 8 | 0.5 | 0.5 | 0.064 | 0.5 | 0.125 | 16 | |
| | | | Lowest limit | 0.064 | 0.25 | 0.064 | 0.5 | 0.25 | 0.125 | 0.015 | 0.125 | 0.03 | 0.5 | |
| | | | Highest limit | 32 | 64 | 64 | 64 | 128 | 128 | 2 | 16 | 16 | 128 | |
| | | | N of tested isolates | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | | | N of resistant isolates | 5 | 5 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | |
| | | | MIC | | | | | | | | | | | |
| | | | | <=0.015 | | | | | | 4 | | | | |
| | | | | <=0.03 | | | | | | | | 5 | | |
| | | | | 0.03 | | | | | | 1 | | | | |
| | | | | <=0.064 | | | 5 | | | | | | | |
| | | | | <=0.125 | | | | | 3 | | 2 | | | |
| | | | | 0.25 | 1 | | | | 2 | | 3 | | | |
| | | | | 0.5 | 3 | | | | | | | | | |
| | 2 | | | | 2 | | | | | | | | | |
| | 4 | | 3 | | 3 | | | | | | 2 | | | |
| | 8 | | 1 | | | 2 | | | | | 2 | | | |
| | 16 | 1 | | | | 2 | | | | | 1 | | | |
| | 32 | | | | | 1 | | | | | | | | |
| | >64 | | 1 | | | | | | | | | | | |

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Turkeys - fattening flocks

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|---|--------------------------------|--------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| | ECOFF | | 8 | 8 | 16 | 0.25 | 0.5 | 16 | 0.064 | 2 |
| | Lowest limit | | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | Highest limit | | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | N of tested isolates | | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 |
| | MI | | | | | | | | | |
| | N of resistant isolates | | 0 | 116 | 0 | 5 | 5 | 21 | 91 | 0 |
| ESBL Genes AMPC Genes CARBA Genes | Not Available | <=0.015 | | | | | | | 78 | |
| | Not Available | 0.03 | | | | | | | 1 | |
| | Not Available | 0.125 | | | | | | | 15 | |
| | Not Available | <=0.25 | | | | 165 | 158 | | | |
| | Not Available | 0.25 | | | | | | | 30 | |
| | Not Available | 0.5 | | | | | 7 | | 16 | |
| | Not Available | <=1 | | 6 | | | | | | 170 |
| | Not Available | 1 | | | | | | | 6 | |
| | Not Available | <=2 | | | 37 | | | | | |
| | Not Available | 2 | | 32 | | | | | 1 | |
| | Not Available | <=4 | 167 | | | | | | | |
| | Not Available | 4 | | 15 | 95 | 4 | | | 4 | |
| | Not Available | >4 | | | | 1 | | | | |
| | Not Available | <=8 | | | | | | 148 | | |
| | Not Available | 8 | 3 | 1 | 36 | | 2 | | 12 | |
| | Not Available | >8 | | | | | 3 | | 7 | |

| | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | ESBL Genes | AMP C Genes | CARBA Genes | MI | | |
|--|----------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|------------|-------------|-------------|-------------------------|---|--|
| | | | | | | | | | | | | | N of resistant isolates | C | |
| | ECOFF | 8 | 8 | 16 | 0.25 | 0.5 | 16 | 0.064 | 2 | | | | | | |
| | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | | | | |
| | Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | | | | |
| | N of tested isolates | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | | | | | | |
| | MI | 0 | 116 | 0 | 5 | 5 | 21 | 91 | 0 | | | | | | |
| | C | | | 2 | | | 1 | | | | | | | | |
| | | | | | | | 2 | | | | | | | | |
| | | | 116 | | | | | | | | | | | | |
| | | | | | | | 3 | | | | | | | | |
| | | | | | | | 16 | | | | | | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|-------------------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 64 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 170 | 170 | 170 | 170 | 170 | 170 | 170 |
| MI N of resistant C isolates | 3 | 0 | 49 | 39 | 106 | 0 | 29 |
| | | <=0.03 | | | | | |
| | | | | | | 161 | 116 |
| | | <=0.5 | | | | | |
| | | | | | | 9 | 24 |
| | | 1 | | | | | 1 |
| | | <=2 | | | | 63 | |
| | | 2 | | | | | |
| | | <=4 | | | | | 96 |
| | | <=8 | | | | | 76 |
| | | 8 | | | | 1 | |
| | | 16 | | | | 1 | |
| | | >16 | | | | | 29 |
| | | 32 | | | | 15 | |
| | | >32 | | | | 90 | |
| | | 64 | | | | | 5 |
| | | >64 | | | | | 37 |
| | | >512 | | | | | 39 |

ESBL Genes
 AMPC Genes
 CARBA Genes

Not Available
 Not Available
 Not Available

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Turkeys - fattening flocks

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON pnl2

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| ESBL Genes | AMPC Genes | CARBA Genes | MIC | AM substance | | | | | | | | | | |
|---------------|---------------|---------------|-------------------------|--------------|-----------|------------------------------|-----------|------------|-------------------------------|-----------|----------|-----------|------------|-----|
| | | | | Cefepime | Cefotaxim | Cefotaxime + Clavulanic acid | Cefoxitin | Ceftazidim | Ceftazidime + Clavulanic acid | Ertapenem | Imipenem | Meropenem | Temocillin | |
| | | | ECOFF | 0.125 | 0.25 | 0.25 | 8 | 0.5 | 0.5 | 0.064 | 0.5 | 0.125 | 16 | |
| | | | Lowest limit | 0.064 | 0.25 | 0.064 | 0.5 | 0.25 | 0.125 | 0.015 | 0.125 | 0.03 | 0.5 | |
| | | | Highest limit | 32 | 64 | 64 | 64 | 128 | 128 | 2 | 16 | 16 | 128 | |
| | | | N of tested isolates | 357 | 357 | 357 | 357 | 357 | 357 | 357 | 357 | 357 | 357 | |
| | | | N of resistant isolates | 356 | 357 | 3 | 9 | 354 | 3 | 2 | 0 | 0 | 0 | |
| Not Available | Not Available | Not Available | <=0.015 | | | | | | | 313 | | | | |
| | | | <=0.03 | | | | | | | | | 357 | | |
| | | | 0.03 | | | | | | | | 37 | | | |
| | | | <=0.064 | 1 | | 283 | | | | | | | | |
| | | | 0.064 | | | | | | | | 5 | | | |
| | | | <=0.125 | | | | | | | 171 | | 145 | | |
| | | | 0.125 | | | 69 | | | | | 2 | | | |
| | | | 0.25 | 17 | | 2 | | | | 164 | | 210 | | |
| | | | 0.5 | 134 | | | | | 3 | 19 | | 2 | | |
| | | | 1 | 88 | 1 | | | | 10 | | | | | |
| | | | 2 | 33 | 12 | | 75 | 15 | | | | | | 5 |
| | | | 4 | 17 | 69 | 1 | 187 | 4 | | | | | | 103 |
| | | | 8 | 19 | 110 | 1 | 86 | 29 | 1 | | | | | 217 |
| 16 | 22 | 71 | 1 | 6 | 96 | 1 | | | | | 32 | | | |
| 32 | 12 | 24 | | | | 137 | 1 | | | | | | | |

| | | AM substance | | | | | | | | | | |
|------------|---------------|-------------------------|-----------|------------------------------|-----------|------------|-------------------------------|-----------|----------|-----------|------------|-----|
| | | Cefepime | Cefotaxim | Cefotaxime + Clavulanic acid | Cefoxitin | Ceftazidim | Ceftazidime + Clavulanic acid | Ertapenem | Imipenem | Meropenem | Temocillin | |
| ESBL Genes | CARBA Genes | ECOFF | 0.125 | 0.25 | 0.25 | 8 | 0.5 | 0.5 | 0.064 | 0.5 | 0.125 | 16 |
| | | Lowest limit | 0.064 | 0.25 | 0.064 | 0.5 | 0.25 | 0.125 | 0.015 | 0.125 | 0.03 | 0.5 |
| | | Highest limit | 32 | 64 | 64 | 64 | 128 | 128 | 2 | 16 | 16 | 128 |
| | | N of tested isolates | 357 | 357 | 357 | 357 | 357 | 357 | 357 | 357 | 357 | 357 |
| | | N of resistant isolates | 356 | 357 | 3 | 9 | 354 | 3 | 2 | 0 | 0 | 0 |
| | | MIC | | | | | | | | | | |
| ESBL Genes | AMPc Genes | >32 | 14 | | | | | | | | | |
| | | 64 | | 19 | 2 | 51 | | | | | | |
| | | >64 | | 51 | 1 | | | | | | | |
| | | 128 | | | | 10 | | | | | | |
| | | >128 | | | | | 2 | | | | | |
| ESBL Genes | Not Available | >32 | | | | | | | | | | |
| | | 64 | | | | | | | | | | |
| | | >64 | | | | | | | | | | |
| | | 128 | | | | | | | | | | |
| | | >128 | | | | | | | | | | |

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Turkeys - fattening flocks

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin |
|------------|----------------------|----------|------------|--------------|-----------|------------|-----------------|---------------|----------|
| ESBL Genes | AM substance | | | | | | | | |
| | ECOFF | 8 | 8 | 16 | 0.25 | 0.5 | 16 | 0.064 | 2 |
| | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 |
| | Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 |
| | N of tested isolates | 357 | 357 | 357 | 357 | 357 | 357 | 357 | 357 |
| | MI | | | | | | | | |
| | C | 0 | 357 | 17 | 357 | 354 | 144 | 299 | 0 |
| | <=0.015 | | | | | | | 52 | |
| | 0.03 | | | | | | | 5 | |
| | 0.064 | | | | | | | 1 | |
| 0.125 | | | | | | | 6 | | |
| 0.25 | | | | | | | 119 | | |
| 0.5 | | | | | 3 | | 58 | | |
| <=1 | | | | | | | | 356 | |
| 1 | | | | 1 | 10 | | 31 | | |
| <=2 | | | 31 | | | | | | |
| 2 | | | | 10 | 16 | | 2 | 1 | |
| <=4 | 328 | | | | | | | | |
| 4 | | | 152 | 79 | 7 | | 5 | | |
| >4 | | | | 267 | | | | | |
| <=8 | | | | | | 209 | | | |
| 8 | 29 | | 150 | | 34 | | 23 | | |
| >8 | | | | | 287 | | 55 | | |

| | AM substance | Amikacin | Ampicillin | Azithromycin | Cefotaxim | Ceftazidim | Chloramphenicol | Ciprofloxacin | Colistin | MI | N of resistant isolates | |
|------------|----------------------|-------------|---------------|--------------|-----------|------------|-----------------|---------------|----------|----|-------------------------|--|
| | | | | | | | | | | | C | |
| | ECOFF | 8 | 8 | 16 | 0.25 | 0.5 | 16 | 0.064 | 2 | | | |
| | Lowest limit | 4 | 1 | 2 | 0.25 | 0.25 | 8 | 0.015 | 1 | | | |
| | Highest limit | 128 | 32 | 64 | 4 | 8 | 64 | 8 | 16 | | | |
| | N of tested isolates | 357 | 357 | 357 | 357 | 357 | 357 | 357 | 357 | | | |
| | | 0 | 357 | 17 | 357 | 354 | 144 | 299 | 0 | | | |
| ESBL Genes | CARBA Genes | AMP C Genes | Not Available | 16 | | 7 | | 4 | | | | |
| | | | | 32 | | 10 | | 29 | | | | |
| | | | | >32 | | 357 | | | | | | |
| | | | | 64 | | | 4 | | 59 | | | |
| | | | | >64 | | | 3 | | 56 | | | |

| AM substance | Gentamicin | Meropenem | Nalidixic acid | Sulfamethoxazole | Tetracycline | Tigecycline | Trimethoprim |
|-----------------------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|
| | ECOFF | 2 | 0.125 | 8 | 64 | 8 | 0.5 |
| Lowest limit | 0.5 | 0.03 | 4 | 8 | 2 | 0.25 | 0.25 |
| Highest limit | 16 | 16 | 64 | 512 | 32 | 8 | 16 |
| N of tested isolates | 357 | 357 | 357 | 357 | 357 | 357 | 357 |
| MI C | 15 | 0 | 173 | 184 | 240 | 0 | 67 |
| | | 357 | | | | | |
| | | | | | | 353 | 187 |
| | 164 | | | | | | |
| | | | | | | 4 | 102 |
| | 158 | | | | | | 1 |
| | | | | | 114 | | |
| | 20 | | | | | | |
| | | | 69 | | | | |
| | | | | | 3 | | |
| | | | | 125 | | | |
| | 1 | | 115 | | | | |
| | 3 | | 58 | 45 | 2 | | |
| | 11 | | | | | | 67 |
| | | | 1 | 3 | 28 | | |
| | | | | | 210 | | |
| | | | 4 | | | | |
| | | | 110 | | | | |
| | | | | 1 | | | |
| | | | | 3 | | | |
| | | | | 180 | | | |

ESBL Genes
 AMPC Genes
 CARBA Genes

Not Available
 Not Available
 Not Available

OTHER ANTIMICROBIAL RESISTANCE TABLES

Table Antimicrobial susceptibility testing of Enterococcus, non-pathogenic - E. faecalis in Gallus gallus (fowl) - broilers

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Ampicillin | Chloramphenicol | Ciprofloxacin | Daptomycin | Erythromycin | Gentamicin | Linezolid | Quinupristin/Dalfopristin | Teicoplanin | Tetracycline | Tigecycline | Vancomycin |
|-------------------------|------------|-----------------|---------------|------------|--------------|------------|-----------|---------------------------|-------------|--------------|-------------|------------|
| ECOFF | 4 | 32 | 4 | 4 | 4 | 64 | 4 | 0.5 | 2 | 4 | 0.25 | 4 |
| Lowest limit | 0.5 | 4 | 0.125 | 0.25 | 1 | 8 | 0.5 | 0.5 | 0.5 | 1 | 0.03 | 1 |
| Highest limit | 64 | 128 | 16 | 32 | 128 | 1024 | 64 | 64 | 64 | 128 | 4 | 128 |
| N of tested isolates | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| N of resistant isolates | 3 | 0 | 0 | 0 | 17 | 1 | 0 | 34 | 0 | 24 | 0 | 0 |
| MIC | | | | | | | | | | | | |
| 0.064 | | | | | | | | | | | 1 | |
| 0.125 | | | | | | | | | | | 23 | |
| 0.25 | | | 1 | | | | | | | | 10 | |
| <=0.5 | 9 | | | | | | | | 33 | | | |
| 0.5 | | | 6 | 3 | | | | | | | | |
| <=1 | | | | | 13 | | | | | 9 | | 17 |
| 1 | 18 | | 22 | 16 | | | 9 | | | | | |
| 2 | 4 | | 3 | 12 | 4 | | 25 | | 1 | 1 | | 14 |
| <=4 | | 5 | | | | | | | | | | |
| 4 | | | 2 | 3 | | | | 3 | | | | 3 |
| <=8 | | | | | | 22 | | | | | | |
| 8 | 1 | 29 | | | | | | 22 | | | | |
| 16 | | | | | 2 | 10 | | 9 | | | | |

| AM substance | Ampicillin | Chloramphenicol | Ciprofloxacin | Daptomycin | Erythromycin | Gentamicin | Linezolid | Quinupristin/Dalfopristin | Teicoplanin | Tetracycline | Tigecycline | Vancomycin |
|--------------------------------|------------|-----------------|---------------|------------|--------------|------------|-----------|---------------------------|-------------|--------------|-------------|------------|
| ECOFF | 4 | 32 | 4 | 4 | 4 | 64 | 4 | 0.5 | 2 | 4 | 0.25 | 4 |
| Lowest limit | 0.5 | 4 | 0.125 | 0.25 | 1 | 8 | 0.5 | 0.5 | 0.5 | 1 | 0.03 | 1 |
| Highest limit | 64 | 128 | 16 | 32 | 128 | 1024 | 64 | 64 | 64 | 128 | 4 | 128 |
| N of tested isolates | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| N of resistant isolates | 3 | 0 | 0 | 0 | 17 | 1 | 0 | 34 | 0 | 24 | 0 | 0 |
| MIC | | | | | | | | | | | | |
| 32 | | | | | | 1 | | | | 4 | | |
| 64 | 2 | | | | | | | | | 12 | | |
| 128 | | | | | 1 | | | | | 8 | | |
| >128 | | | | | 14 | | | | | | | |
| 1024 | | | | | | 1 | | | | | | |

Table Antimicrobial susceptibility testing of Enterococcus, non-pathogenic - E. faecalis in Turkeys - fattening flocks

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Ampicillin | Chloramphenicol | Ciprofloxacin | Daptomycin | Erythromycin | Gentamicin | Linezolid | Quinupristin/Dalfopristin | Teicoplanin | Tetracycline | Tigecycline | Vancomycin |
|--------------------------------|------------|-----------------|---------------|------------|--------------|------------|-----------|---------------------------|-------------|--------------|-------------|------------|
| ECOFF | 4 | 32 | 4 | 4 | 4 | 64 | 4 | 0.5 | 2 | 4 | 0.25 | 4 |
| Lowest limit | 0.5 | 4 | 0.125 | 0.25 | 1 | 8 | 0.5 | 0.5 | 0.5 | 1 | 0.03 | 1 |
| Highest limit | 64 | 128 | 16 | 32 | 128 | 1024 | 64 | 64 | 64 | 128 | 4 | 128 |
| N of tested isolates | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| N of resistant isolates | 0 | 2 | 1 | 0 | 56 | 0 | 0 | 96 | 0 | 67 | 1 | 0 |
| MIC | | | | | | | | | | | | |
| <=0.03 | | | | | | | | | | | 1 | |
| 0.064 | | | | | | | | | | | 7 | |
| <=0.125 | | | 1 | | | | | | | | | |
| 0.125 | | | | | | | | | | | 64 | |
| <=0.25 | | | | 3 | | | | | | | | |
| 0.25 | | | 9 | | | | | | | | 26 | |
| <=0.5 | 25 | | | | | | 4 | 3 | 99 | | | |
| 0.5 | | | 38 | 3 | | | | | | | 1 | |
| <=1 | | | | | 20 | | | | | 31 | | 38 |
| 1 | 68 | | 45 | 54 | | | | 37 | | | | |
| 2 | 5 | | 4 | 35 | 22 | | | 57 | | | | 54 |
| <=4 | | 11 | | | | | | | | | | |
| 4 | 1 | | 1 | 4 | 1 | | 1 | 4 | | 1 | | 7 |
| <=8 | | | | | | 72 | | | | | | |
| 8 | | 81 | | | 5 | | | 57 | | 1 | | |
| 16 | | | 1 | | 5 | 23 | | 33 | | 1 | | |

| AM substance | Ampicillin | Chloramphenicol | Ciprofloxacin | Daptomycin | Erythromycin | Gentamicin | Linezolid | Quinupristin/Dalfopristin | Teicoplanin | Tetracycline | Tigecycline | Vancomycin |
|--------------------------------|------------|-----------------|---------------|------------|--------------|------------|-----------|---------------------------|-------------|--------------|-------------|------------|
| ECOFF | 4 | 32 | 4 | 4 | 4 | 64 | 4 | 0.5 | 2 | 4 | 0.25 | 4 |
| Lowest limit | 0.5 | 4 | 0.125 | 0.25 | 1 | 8 | 0.5 | 0.5 | 0.5 | 1 | 0.03 | 1 |
| Highest limit | 64 | 128 | 16 | 32 | 128 | 1024 | 64 | 64 | 64 | 128 | 4 | 128 |
| N of tested isolates | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| N of resistant isolates | 0 | 2 | 1 | 0 | 56 | 0 | 0 | 96 | 0 | 67 | 1 | 0 |
| MIC | | | | | | | | | | | | |
| 32 | | 5 | | | 3 | 4 | | 2 | | 2 | | |
| 64 | | 2 | | | 1 | | | | | 7 | | |
| 128 | | | | | | | | | | 51 | | |
| >128 | | | | | 42 | | | | | 5 | | |

Table Antimicrobial susceptibility testing of Enterococcus, non-pathogenic - E. faecium in Gallus gallus (fowl) - broilers

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Ampicillin | Chloramphenicol | Ciprofloxacin | Daptomycin | Erythromycin | Gentamicin | Linezolid | Quinupristin/Dalfopristin | Teicoplanin | Tetracycline | Tigecycline | Vancomycin |
|--------------------------------|------------|-----------------|---------------|------------|--------------|------------|-----------|---------------------------|-------------|--------------|-------------|------------|
| ECOFF | 4 | 32 | 4 | 8 | 4 | 32 | 4 | 1 | 2 | 4 | 0.25 | 4 |
| Lowest limit | 0.5 | 4 | 0.125 | 0.25 | 1 | 8 | 0.5 | 0.5 | 0.5 | 1 | 0.03 | 1 |
| Highest limit | 64 | 128 | 16 | 32 | 128 | 1024 | 64 | 64 | 64 | 128 | 4 | 128 |
| N of tested isolates | 136 | 136 | 136 | 136 | 136 | 136 | 136 | 136 | 136 | 136 | 136 | 136 |
| N of resistant isolates | 11 | 2 | 6 | 0 | 68 | 3 | 0 | 116 | 0 | 93 | 0 | 0 |
| MIC | | | | | | | | | | | | |
| <=0.03 | | | | | | | | | | | 6 | |
| 0.064 | | | | | | | | | | | 19 | |
| 0.125 | | | | | | | | | | | 84 | |
| <=0.25 | | | | 1 | | | | | | | | |
| 0.25 | | | | | | | | | | | 27 | |
| <=0.5 | 24 | | | | | | 1 | 4 | 135 | | | |
| 0.5 | | | 8 | 1 | | | | | | | | |
| <=1 | | | | | 52 | | | | | 42 | | 120 |
| 1 | 31 | | 21 | 20 | | | 23 | 16 | 1 | | | |
| 2 | 30 | | 55 | 55 | 15 | | 111 | 20 | | | | 11 |
| <=4 | | 53 | | | | | | | | | | |
| 4 | 40 | | 46 | 55 | 1 | | 1 | 74 | | 1 | | 5 |
| <=8 | | | | | | 102 | | | | | | |
| 8 | 6 | 70 | 4 | 4 | 2 | | | 20 | | 1 | | |
| 16 | | 5 | 2 | | 4 | 27 | | 2 | | 1 | | |
| 32 | 1 | 6 | | | | 4 | | | | 9 | | |

| AM substance | Ampicillin | Chloramphenicol | Ciprofloxacin | Daptomycin | Erythromycin | Gentamicin | Linezolid | Quinuipristin/Dalfopristin | Teicoplanin | Tetracycline | Tigecycline | Vancomycin |
|--------------------------------|------------|-----------------|---------------|------------|--------------|------------|-----------|----------------------------|-------------|--------------|-------------|------------|
| ECOFF | 4 | 32 | 4 | 8 | 4 | 32 | 4 | 1 | 2 | 4 | 0.25 | 4 |
| Lowest limit | 0.5 | 4 | 0.125 | 0.25 | 1 | 8 | 0.5 | 0.5 | 0.5 | 1 | 0.03 | 1 |
| Highest limit | 64 | 128 | 16 | 32 | 128 | 1024 | 64 | 64 | 64 | 128 | 4 | 128 |
| N of tested isolates | 136 | 136 | 136 | 136 | 136 | 136 | 136 | 136 | 136 | 136 | 136 | 136 |
| N of resistant isolates | 11 | 2 | 6 | 0 | 68 | 3 | 0 | 116 | 0 | 93 | 0 | 0 |
| MIC | | | | | | | | | | | | |
| 64 | | | | | | | | | | 24 | | |
| >64 | 4 | | | | | | | | | | | |
| 128 | | 2 | | | | | | | | 55 | | |
| >128 | | | | | 62 | | | | | 3 | | |
| >1024 | | | | | | 3 | | | | | | |

Table Antimicrobial susceptibility testing of Enterococcus, non-pathogenic - E. faecium in Turkeys - fattening flocks

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| AM substance | Ampicillin | Chloramphenicol | Ciprofloxacin | Daptomycin | Erythromycin | Gentamicin | Linezolid | Quinupristin/Dalfopristin | Teicoplanin | Tetracycline | Tigecycline | Vancomycin |
|--------------------------------|------------|-----------------|---------------|------------|--------------|------------|-----------|---------------------------|-------------|--------------|-------------|------------|
| ECOFF | 4 | 32 | 4 | 8 | 4 | 32 | 4 | 1 | 2 | 4 | 0.25 | 4 |
| Lowest limit | 0.5 | 4 | 0.125 | 0.25 | 1 | 8 | 0.5 | 0.5 | 0.5 | 1 | 0.03 | 1 |
| Highest limit | 64 | 128 | 16 | 32 | 128 | 1024 | 64 | 64 | 64 | 128 | 4 | 128 |
| N of tested isolates | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| N of resistant isolates | 4 | 1 | 3 | 0 | 18 | 0 | 0 | 46 | 0 | 37 | 0 | 0 |
| <=0.03 | | | | | | | | | | | 2 | |
| 0.064 | | | | | | | | | | | 17 | |
| 0.125 | | | | | | | | | | | 40 | |
| 0.25 | | | 2 | | | | | | | | 12 | |
| <=0.5 | 6 | | | | | | | 5 | 70 | | | |
| 0.5 | | | 5 | | | | | | | | | |
| <=1 | | | | | 30 | | | | | 34 | | 61 |
| 1 | 44 | | 5 | 5 | | | 7 | 20 | 1 | | | |
| 2 | 12 | | 39 | 43 | 16 | | 64 | 18 | | | | 6 |
| <=4 | | 23 | | | | | | | | | | |
| 4 | 5 | | 17 | 21 | 7 | | | 16 | | | | 4 |
| <=8 | | | | | | 56 | | | | | | |
| 8 | 1 | 24 | | 2 | 3 | | | 10 | | 1 | | |
| 16 | | 18 | | | | 15 | | 1 | | | | |
| >16 | | | 3 | | | | | | | | | |
| 32 | | 5 | | | 1 | | | 1 | | 1 | | |

| AM substance | Ampicillin | Chloramphenicol | Ciprofloxacin | Daptomycin | Erythromycin | Gentamicin | Linezolid | Quinupristin/Dalfopristin | Teicoplanin | Tetracycline | Tigecycline | Vancomycin |
|--------------------------------|------------|-----------------|---------------|------------|--------------|------------|-----------|---------------------------|-------------|--------------|-------------|------------|
| ECOFF | 4 | 32 | 4 | 8 | 4 | 32 | 4 | 1 | 2 | 4 | 0.25 | 4 |
| Lowest limit | 0.5 | 4 | 0.125 | 0.25 | 1 | 8 | 0.5 | 0.5 | 0.5 | 1 | 0.03 | 1 |
| Highest limit | 64 | 128 | 16 | 32 | 128 | 1024 | 64 | 64 | 64 | 128 | 4 | 128 |
| N of tested isolates | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| N of resistant isolates | 4 | 1 | 3 | 0 | 18 | 0 | 0 | 46 | 0 | 37 | 0 | 0 |
| 64 | 1 | | | | | | | | | 9 | | |
| >64 | 2 | | | | | | | | | | | |
| 128 | | 1 | | | | | | | | 23 | | |
| >128 | | | | | 14 | | | | | 3 | | |

Table Antimicrobial susceptibility testing of Methicillin resistant Staphylococcus aureus (MRSA) in Meat from broilers (Gallus gallus) - fresh - with skin - chilled

Sampling Stage: Retail

Sampling Type: food sample

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country Of Origin:Spain

Sampling Details:N_A

| | | | | AM substance | Cefoxitin | Chloramphenicol | Ciprofloxacin | Clindamycin | Erythromycin | Fusidic acid | Gentamicin | Kanamycin | Linezolid | Mupirocin | Penicillin | Quinupristin/Dalfopristin | Streptomycin |
|----------|----|------|----------------------|-------------------------|-----------|-----------------|---------------|-------------|--------------|--------------|------------|-----------|-----------|-----------|------------|---------------------------|--------------|
| | | | ECOFF | | 4 | 16 | 1 | 0.25 | 1 | 0.5 | 2 | 8 | 4 | 1 | 0.12 | 1 | 16 |
| | | | Lowest limit | | 0.5 | 4 | 0.25 | 0.125 | 0.25 | 0.5 | 1 | 4 | 1 | 0.5 | 0.064 | 0.5 | 4 |
| | | | Highest limit | | 16 | 64 | 8 | 4 | 8 | 8 | 16 | 32 | 8 | 2 | 1 | 4 | 32 |
| | | | N of tested isolates | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| spa type | CC | T | MIC | N of resistant isolates | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| | | 6228 | <=0.5 | | | | | | | 1 | | | | 1 | | | |
| | | | <=1 | | | | | | | | 1 | | 1 | | | | |
| | | | 1 | | | | | | | | | | | | | 1 | |
| | | | >1 | | | | | | | | | | | | 1 | | |
| | | | <=4 | | | | | | | | | 1 | | | | | 1 |
| | | | >4 | | | | 1 | | | | | | | | | | |
| | | | 8 | | | 1 | | | | | | | | | | | |
| | | | >8 | | | | 1 | | 1 | | | | | | | | |
| | | | 16 | | 1 | | | | | | | | | | | | |
| | | | >16 | | | | | | | | | | | | | | |
| | | | >32 | | | | | | | | | | | | | | |
| | | | <=64 | | | | | | | | | | | | | | |

| | | | | AM substance | Sulfamethoxazole | Tetracycline | Tiamulin | Trimethoprim | Vancomycin |
|----------|----|------|-------|--------------------------------|------------------|--------------|----------|--------------|------------|
| | | | | ECOFF | 128 | 1 | 2 | 2 | 2 |
| | | | | Lowest limit | 64 | 0.5 | 0.5 | 1 | 1 |
| | | | | Highest limit | 512 | 16 | 4 | 32 | 8 |
| | | | | N of tested isolates | 1 | 1 | 1 | 1 | 1 |
| | | | | N of resistant isolates | 0 | 1 | 0 | 1 | 0 |
| spa type | CC | T | MIC | | | | | | |
| | | 6228 | <=0.5 | | | | 1 | | |
| | | | <=1 | | | | | | 1 |
| | | | 1 | | | | | | |
| | | | >1 | | | | | | |
| | | | <=4 | | | | | | |
| | | | >4 | | | | | | |
| | | | 8 | | | | | | |
| | | | >8 | | | | | | |
| | | | 16 | | | | | | |
| | | | >16 | | | 1 | | | |
| | | | >32 | | | | | 1 | |
| | | | <=64 | | 1 | | | | |

Specific monitoring of ESBL-/AmpC-/carbapenemase-producing bacteria and specific monitoring of carbapenemase-producing bacteria, in the absence of isolate detected

| Programme Code | Matrix Detailed | Zoonotic Agent Detailed | Sampling Strategy | Sampling Stage | Sampling Details | Sampling Context | Sampler | Sample Type | Sampling Unit Type | Sample Origin | Comment | Total Units Tested | Total Units Positive |
|----------------|--|---|--------------------|----------------------|------------------|----------------------------------|-------------------|------------------------|------------------------|---------------|---------|--------------------|----------------------|
| CARBA MON | Gallus gallus (fowl) - broilers | Escherichia coli, non-pathogenic, unspecified | Objective sampling | Slaughterhouse | N_A | Monitoring | Official sampling | animal sample - caecum | slaughter animal batch | Spain | N_A | 564 | 0 |
| | Meat from broilers (Gallus gallus) - fresh - chilled | Escherichia coli, non-pathogenic, unspecified | Objective sampling | Retail | N_A | Monitoring - EFSA specifications | Official sampling | food sample - meat | single (food/feed) | Spain | N_A | 265 | 0 |
| | Meat from broilers (Gallus gallus) - fresh - frozen | Escherichia coli, non-pathogenic, unspecified | Objective sampling | Border Control Posts | N_A | Monitoring | Official sampling | food sample - meat | batch (food/feed) | Brazil | N_A | 46 | 0 |
| | Meat from turkey - fresh - chilled | Escherichia coli, non-pathogenic, unspecified | Objective sampling | Retail | N_A | Monitoring - EFSA specifications | Official sampling | food sample - meat | single (food/feed) | Spain | N_A | 133 | 0 |
| | Turkeys - fattening flocks | Escherichia coli, non-pathogenic, unspecified | Objective sampling | Slaughterhouse | N_A | Monitoring | Official sampling | animal sample - caecum | slaughter animal batch | Spain | N_A | 566 | 0 |

Specific monitoring of ESBL-/AmpC-/carbapenemase-producing bacteria and specific monitoring of carbapenemase-producing bacteria, in the absence of isolate detected

Latest Transmission set

| Table Name | Last submitted dataset transmission date |
|--------------------------|---|
| Antimicrobial Resistance | 30-Nov-2023 |
| Esbl | 10-Nov-2023 |
| Animal Population | 25-Jul-2023 |
| Disease Status | 25-Jul-2023 |
| Prevalence | 02-Nov-2023 |

SPAIN

TEXT FORMS FOR THE TRENDS AND SOURCES OF
ZOONOSES AND ZONOTIC AGENTS IN FOODSTUFFS,
ANIMALS AND FEEDINGSTUFFS

including information on foodborne outbreaks, antimicrobial
resistance in zoonotic and indicator bacteria and some
pathogenic microbiological agents

IN 2022


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Spain

| | | |
|------------|---|-----------|
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| 10.1. | Monitoring/Surveillance/Control programmes system ^(a) | 26 |
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Spain

| | | |
|-------|--|----|
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| 11.2. | Evaluation of status, trends and relevance as a source for humans | 27 |
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| 12.5. | Additional information..... | 29 |
| |  | 29 |
| 13.1. | Monitoring/Surveillance/Control programmes system ^(a) | 29 |
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1. Institutions and Laboratories involved in zoonoses monitoring and reporting

MAPA, Spanish Ministry of Agriculture, Fish and Food, through the Subdirectorate General for Animal Health, Hygiene and Traceability and the Sub directorate of Means of Livestock Production is the central competent authority for the monitoring and reporting zoonoses in primary production.

MS, Spanish Ministry of Health, through the Sub-directorate for Foreign Health, is the central competent authority for the monitoring and reporting zoonoses in imported food and responsible for the samples obtained from the BCP's. In addition, the CCAES (Centro de Coordinación de Alertas y Emergencias Sanitarias) is the Unit responsible for the monitoring and surveillance of human cases and food-borne outbreaks.

AESAN, Spanish Agency of Food Safety and Nutrition, through the Sub-directorate General for Official Control and Alerts, is the central competent authority for the monitoring and reporting zoonoses in food.

ISCIII, through the National Centre of Epidemiology, is the central authority responsible for management of surveillance of human cases and food-borne outbreaks.

The **Central Veterinary Laboratory (CVL)** and the **Central Animal Health Laboratory of MAPA** are the **National Reference Laboratories (NRLs)** for zoonoses in primary production.

The **Autonomous Communities** through their human and animal health services.

Short description of the institutions and laboratories involved in data collection and reporting

2. Animal population

2.1. Sources of information and the date(s) (months, years) the information relates to ^(a)

REGA (National Register for Livestock Holdings) was the source for the total number of holdings and animals in all species. The figures in this report were taken at **December/31/2022**.

2.2. Definitions used for different types of animals, herds, flocks and holdings as well as the production types covered

Holding' in REGA means 'Whatever place where farming animals are'. They are classified in breeding and production holdings and special holdings (such as markets, slaughterhouses, quarantine centres...). It has been taken into account only breeding and production holdings. The specific definitions adopted by REGA for different types of holdings are those fixed in EU or Spanish Regulations.

Bovine animals Calves for slaughter: Bovine animals less than 1 year old for slaughter as calves.

Calves: Domestic animals of the bovine species, of not more than 300 kg live weight and not yet having permanent teeth.

Heifers: Female bovines more than 1 year old that have not yet calved.

Heifers for breeding purposes: Heifers raised for breeding and intended to replace dairy cows.

Cows: Female bovines that have calved.

Dairy cows: Cows kept exclusively or principally for the production of milk for human consumption and/or dairy produce. Meat production animals: bovine animals, other than calves, kept exclusively for the production of meat and including cows, heifers and bulls

Sheep: Domestic animals of the species Ovis.

Ewes and ewe lambs put to the ram: Females of the ovine species which have already lambed at least once as well as those which have been put to the ram for the first time.

Milk ewes: Ewes which are kept exclusively or principally to produce milk for human consumption and/or for processing into dairy products. This includes cast milk sheep (whether fattened or not between their last lactation and slaughtering).

Other ewes: Ewes other than milk ewes; to be included in meat production animals

Lambs: Male or female sheep under 12 months old

Goats: domestic animals of the species Capra.

Pigs: Domestic animals of the species Sus.

2.3. National changes of the numbers of susceptible population and trends

See table

2.4. Geographical distribution and size distribution of the herds, flocks and holdings^(b)

<https://www.mapa.gob.es/es/qanaderia/temas/trazabilidad-animal/registro/default.aspx>

2.5. Additional information

(a): National identification and registration system(s), source of reported statistics (Eurostat, others)

(b): Link to website with density maps if available, tables with number of herds and flocks according to geographical area

3. General evaluation*: Mycobacteria spp

3.1. History of the disease and/or infection in the country^(a)

Sanitary importance of bovine tuberculosis has been based in the spread of the disease to humans. Human infection has been linked historically to raw milk consumption. At human level the surveillance of the disease is included in the National Epidemiological Surveillance Network, created according to Royal Decree 2210/1995 and updated according to the Ministerial Order SSI/445/2015. In Spain, control of milk was carried out at council town's level since 1908, but monitoring and eradication programmes in cattle didn't start systematically until beginning of 90's, focused mainly in dairy cows.

At the moment the programme is being applied to cattle over six weeks of age and to goats living close to cattle.. Control of milk and control of fresh meat production is carried out by Autonomous Communities according to European legislation in force (hygiene package).

3.2. Evaluation of status, trends and relevance as a source for humans

Spanish programmes for eradication on bovine tuberculosis in last years show a decrease of the disease prevalence in cattle since 2016. Raw milk only can be consumed if produced in herds OTF.

3.3. Any recent specific action in the Member State or suggested for the European Union^(b)

Spanish Programme on Eradication of Bovine Tuberculosis 2022. Milk control and fresh meat control production are developed according to European legislation in force (Hygiene Package).

The control activities in foodstuffs are made according to Regulation (EC) 178/2002. (I.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

3.4. Additional information

M. caprae has been isolated in 2005-2022 from cattle, goats, wild boards, foxes, wild ruminants. Spanish legislation on Mycobacterium in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents

*** For each zoonotic agent**

(a): Epidemiological evaluation (trends and sources) over time until recent/current situation for the different relevant matrixes (food, feed, animal). If relevant: the official "disease status" to be specified for the whole country and/or specific regions within the country

(b): If applicable

4. Description of Monitoring/Surveillance/Control programmes system*: Mycobacterium tuberculosis complex in animal - Cattle (bovine animals)

4.1. Monitoring/Surveillance/Control programmes system^(a)

Monitoring system

Sampling strategy

Sampling strategy is defined in Spanish Programme on Eradication on Bovine Tuberculosis 2022-2030, covering cattle according Regulation (EU) 689/2020 (animals over six weeks of age) and goats living close to cattle. Testing is performed under supervision of competent authorities of Autonomous Communities. At slaughterhouses, samples are taken in suspicious animals and in animals with suspicious injures. Strategic use on gamma-interferon assay has been implemented since 2008 and consequently, an increase in the sensitivity at animal level (intra-herd) has been applied.

Additionally, severe interpretation of skin test (SIT) has been applied in high prevalence areas, with 2 skin tests in OTF herds and at least 3 skin tests in non-OTF herds during 2022. These measures have increased the sensitivity at herd level as well.

Frequency of the sampling

Once a year at least, more frequent testing in not officially free herds (at least 3 tests) and in OTF herds in high prevalence areas (2 at least). Pre-movement test in movements except if animals go to a closed fattening unit that send animals to slaughterhouse.

Type of specimen taken

skin test, blood, organs/tissues

Methods of sampling (description of sampling techniques)

Intradermal skin test (SIT) is used in animals over 6 weeks of age. In infected herds, gamma interferon assay is used in parallel as supplementary test in animals over six months of age. In low prevalence areas, SICCT can be used if specificity problems are detected. At slaughterhouses organs/tissues are taken from suspicious reactors animals (mainly from herds with OTF status suspended) and from injures found in routine post-mortem examination of animals slaughtered, according to the European legislation in force (Hygiene Package).

Case definition

Skin test: positive and inconclusive results. In OTF herds also MTC isolation.

Diagnostic/analytical methods used

SIT, SICCT, agent isolation, PCR and gamma-interferon assay following criteria laying down by EURLAB protocols., Spoligotyping, VTNR for molecular typing.

4.2. Measures in place^(b)

Vaccination policy

Forbidden

Other preventive measures than vaccination in place

Pre-movement test; Cleaning and disinfecting of positive holdings; Control of common grazing areas; Investigation of wildlife in some regions; Epidemiological investigations in breakdowns; inspections and official control of the field veterinarians.

Control program/mechanisms

The control program/strategies in place

Spain has an Eradication Programme approved for co-financing. Legal basis of the programme measures is Regulation (EC) 689/2020, but with increased measures like:- more frequent tests in high prevalence areas- strategic use of gamma-interferon assay- pre-movement tests- severe interpretation of SIT

https://www.mapa.gob.es/es/ganaderia/temas/sanidad-animal-higiene-ganadera/spainmtceradicationprogramme2022-2030final_tcm30-619674.pdf

Recent actions taken to control the zoonoses

More frequent testing and pre-movement test. Compulsory slaughtering of all animals in herds with high incidence or repeating positive
Results. Severe interpretation of tuberculin test. Research into other test methodologies. Reinforce over herd registers at farm
Level. Epidemiological studies. Surveillance of wildlife. Inspections in restricted herds. Inspections of field veterinarians. Training courses for field Veterinarians.

Suggestions to the European Union for the actions to be taken

Research into other test methodologies and improve the existing ones.

Measures in case of the positive findings or single cases

Confirmation by isolation/PCR of MTC. If confirmed, withdrawal of OTF status by holding. Epidemiological studies, spoligotyping of the strain and inclusion in the National Database micoDB.es.

4.3. Notification system in place to the national competent authority^(c)

Since 1952, at least (Epizootic Diseases Law).At the moment by Animal Health Law 8/2003

4.4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Results of the investigation

see table

National evaluation of the recent situation, the trends and sources of infection

Data obtained by applying of Spanish Tuberculosis Eradication and Monitoring Programme 2022 show a moderate decrease of the disease at herd level in the country. In conclusion, milk consumption cannot be considered as a current source of infection in Spain, even more if it is assumed that cow milk is thermally treated. Explanation of the higher prevalence in the certain areas can be found in special management of this kind of herds: common grazing, ranching systems, fighting bulls, transhumance... Wildlife and goats can also be a source of infection in these holdings.

4.5. Additional information

Relevance of the findings in animals, feeding stuffs and foodstuffs to human cases (as a source of infection)

Only few human cases had been identified as tuberculosis due to *Mycobacterium bovis* in the last years. The risk of transmission from animals to humans is very low.

Although the number of yearly reported cases at national level is low (mean of 35 cases in 2018-2021), Spain shown **the second highest notification rate (0.07 per 100,000) at EU level for *M.bovis* TB in humans in 2021**. Nevertheless, the risk of transmission from animals to humans is considered low due to **the application of the eradication programs for bovine tuberculosis in cattle populations**.

* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, limit of detection of the method, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

5. Description of Monitoring/Surveillance/Control programmes system*: ***Mycobacterium* spp. in foodstuff**

5.1. Monitoring/Surveillance/Control programmes system^(a)

The control of *Mycobacterium* is undergone at slaughterhouse by regional health authorities performing official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety

Additionally, in Spain, the control of *Mycobacterium* in food is carried out according to program 4 of the Multiannual National Control Plan (MANCP), related to daily control in slaughterhouses, control of game handling establishments and fighting cattle cutting plants.

For more information on this plan, please refer to the following link:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm

http://www.aecosan.msssi.gob.es/AECOSAN/docs/documentos/seguridad_alimentaria/pncoca/P4_Matad

Results of investigations published in the Annual Report of MANCP are available at:
[eros_otros.pdf](#)

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/informe_anual_pncoca.htm

http://www.aecosan.msssi.gob.es/AECOSAN/docs/documentos/seguridad_alimentaria/pncoca/P4_Mataderos_otros.pdf

Results of investigations published in the Annual Report of MANCP are available at:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/informe_anual_pncoca.htm

5.2. Measures in place^(b)

The measures are carried out according to program 4 of the Multiannual National Control Plan (MANCP), related to daily control in slaughterhouses, control of game handling establishments and fighting cattle cutting plants.

5.3. Notification system in place to the national competent authority^(c)

Yes. Please refer to Prevalence Tables

5.4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Detailed results of each Autonomous Community will be published by AESAN in the 2022 Zoonoses Data Analysis Report (Informe AESAN Análisis de Datos de Zoonosis 2022).

It will be available at:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/subseccion/vigilancia_zoonosis.htm

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/subseccion/vigilancia_zoonosis.htm

5.5. Additional information

The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

Spanish legislation on Mycobacterium in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents.

* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, limit of detection of the method, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

6. General evaluation*: Brucella spp.

6.1. History of the disease and/or infection in the country^(a)

Sanitary importance of brucellosis has been based in the spread of the disease to humans. At the moment brucellosis is still the main direct transmission zoonoses in the world, mainly linked to *Brucella melitensis*. The more frequent source of infection for human beings has been contacts with goats and sheep, but raw milk products consumption has had historical importance as well. Nowadays brucellosis is considered as a professional disease. At human level, the surveillance of the disease is included in the National Epidemiological Surveillance Network, created according to Royal Decree 2210/1995 and updated according to the Ministerial Order SSI/445/2015. In Spain, milk control was carried out at council town's level since 1908. At the moment milk control and control of fresh meat production is carried out by Autonomous Communities according to the European legislation in force (Hygiene Package). Monitoring and Eradication Programmes in cattle, goats and sheep did not start systematically until beginning of 90's. Before, human cases had the highest incidence in last thirty years, with around 8500 cases in middle 80s. The systematic application of national programmes has resulted in a continuous decrease of the disease until 2021, when the disease has been eradicated from bovines and small ruminants.

6.2. Evaluation of status, trends and relevance as a source for humans

Spanish Programmes for eradication and monitoring of Brucellosis in cattle, goats and sheep show the continuous decreasing trend of the disease prevalence in domestic animals, until eradication **was achieved by 2021**. Raw milk only can be consumed if produced in herds free or officially free.

6.3. Any recent specific action in the Member State or suggested for the European Union^(b)

Spanish Programme on surveillance of bovine brucellosis 2022-2030. Spanish Programme on surveillance of brucellosis in goats and sheep 2022-2030. Milk control and control of the production of fresh meat in accordance to European legislation in force (Hygiene Package). Furthermore, the Spanish Royal Decree 640/2006, of May 26, 2006, laying down specific implementation conditions of the Community rules concerning hygiene subjects, as well as foodstuff's production and commercialisation, establishes specific conditions regarding to milk and dairy milk.

The control activities in foodstuffs are made according to Regulation (EC) 178/2002. (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

6.4. Additional information

Spanish legislation on Brucellosis in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents.

* For each zoonotic agent

(a): Epidemiological evaluation (trends and sources) over time until recent/current situation for the different relevant matrixes (food, feed, animal). If relevant: the official "disease status" to be specified for the whole country and/or specific regions within the country

(b): If applicable

7. Description of Monitoring/Surveillance/Control programmes system*: B.abortus in animal - Cattle (bovine animals)

7.1. Monitoring/Surveillance/Control programmes system^(a)

SAMPLING SCHEME

Sampling strategy

Sampling strategy is defined in Spanish Programme for Surveillance of Bovine Brucellosis, covering cattle according to Regulation (EU) 689/2020 (animals over 12 months of age). Test are carried out by competent authorities of Autonomous Communities. At slaughterhouses samples are taken in suspicious animals, mainly in positive animals coming from free or officially free herds (suspended status) to confirm the disease.

Frequency of the sampling

Sampling according Section 2 of Chapter 3 of Part I of Annex IV to Delegated Regulation (EU) 2020/689.

Type of specimen taken

serum, blood, milk, organs/tissues, swabs

Methods of sampling (description of sampling techniques)

In animals over one year of age Rose Bengal as screening test or i-ELISA in milk; and Complement Fixation test or i-ELISA in serum as confirmatory test. As complementary test competition ELISA has been used as well. At slaughterhouses swabs, organs and tissues are taken in suspicious animals, mainly from herds with free or officially free status suspended, to isolate Brucella and confirm the infection.

TESTING SCHEME

Case definition

Brucella abortus, B. melitensis or B. suis isolation.

Diagnostic/analytical methods used

Rose Bengal test, agent isolation, serum i-ELISA, milk i-ELISA, c-ELISA and Complement Fixation test, following criteria laying down by EURLAB protocols.

7.2. Measures in place^(b)

Vaccination policy

Forbidden.

Other preventive measures than vaccination in place

Pre-movement test. Cleaning and disinfecting of positive holdings. Control of common grazing areas.

Investigation of possible wildlife reservoirs in some

Regions. Epidemiological investigations in breakdowns. Inspections and official control of field veterinarians. Inspections of restricted

Control program/mechanisms

The control program/strategies in place Spain has an Surveillance Programme.. Legal basis of the programme are Delegated Regulation (EU) 2020/689and Royal Decree 2611/1996, at last amended.

https://www.mapa.gob.es/es/ganaderia/temas/sanidad-animal-higiene-ganadera/programabb2021versionabril_tcm30-561035.pdf

Recent actions taken to control the zoonoses

https://www.mapa.gob.es/es/ganaderia/temas/sanidad-animal-higiene-ganadera/programavigilanciabb2023-2030_tcm30-639975.pdf

More frequent testing and pre-movement test. Compulsory slaughter of all animals in herds if infection is confirmed. Research into other test methodologies. Reinforce over herd registers at farm level. Epidemiological studies

Suggestions to the European Union for the actions to be taken

Research into other test methodologies and improve existing ones.

Measures in case of the positive findings or single cases

Confirmation of the infection by complement fixation test and culture, and if isolation of *Brucella abortus* is confirmed, depopulation.

7.3. Notification system in place to the national competent authority^(c)

Since 1952, at least (Epizootic Diseases Law) At the moment by Animal Health Law 8/2003

7.4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Results of the investigation

see table

National evaluation of the recent situation, the trends and sources of infection

Data obtained by the implementation of Spanish Surveillance Programme on Bovine Brucellosis show that the target of maintain OBF status of the disease in 2022 has been achieved.. In conclusion, milk consumption can't be considered as a current source of infection in Spain, even more if it is assumed that almost all the cow milk is thermally treated.

7.5. Additional information

Status as officially free of bovine brucellosis during the reporting year: Free regions

All the country.

Relevance of the findings in animals to findings in foodstuffs and to human cases (as a source of infection).

* **For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent**

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, limit of detection of the method, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

8. Description of Monitoring/Surveillance/Control programmes system*: *B. melitensis* in animal – Sheep

8.1. Monitoring/Surveillance/Control programmes system^(a)

Monitoring system

Sampling strategy

Sampling strategy is defined in Spanish Programme on surveillance of brucellosis in sheep and goats, according to Delegated Regulation (EU) 2020/689:- animals over 6 months of age. Tests are carried out by competent authorities of Autonomous Communities. At slaughterhouse samples are taken in suspicious animals, mainly in positive animals coming from free or officially free herds (suspended status) to confirm de disease.

Frequency of the sampling

According Section 2 of Chapter 4 of Part I of Annex IV to Delegated Regulation (EU) 2020/689.

Type of specimen taken

serum, blood, milk, organs/tissues

Methods of sampling (description of sampling techniques)

At herd level, in animals over 6 of age Rose Bengal as screening test and Complement Fixation as confirmatory test. At slaughterhouses or at holdings, swabs, milk, organs or tissues are taken in suspicious animals, mainly from herds with free or officially free status suspended, to isolate *Brucella* and confirm the infection.

Case definition

Brucella abortus, *B. melitensis* or *B. suis* isolation.

Diagnostic/analytical methods used

Rose Bengal test, agent isolation, Complement Fixation test following criteria laying down by EURLAB protocols.

8.2. Measures in place^(b)

Vaccination policy

Prohibited.

Other preventive measures than vaccination in place

Pre-movement test in transhumance in certain areas. Cleaning and disinfecting of positive holdings. Control of common grazing areas. Epidemiological investigations if breakdowns. Inspections and official control of the field veterinarians

Control program/mechanisms

The control program/strategies in place

Spain has an Surveillance Programme. Legal basis of the programme measures is Delegated Regulation (EU) 2020/689

https://www.mapa.gob.es/es/ganaderia/temas/sanidad-animal-higiene-ganadera/programavigilanciaboc2023-2030_tcm30-639976.pdf

Recent actions taken to control the zoonoses

- . Compulsory slaughter of all animals in confirmed herds.
- . Research in other test methodologies. Reinforce over herd register at farm level. Epidemiological studies

Suggestions to the European Union for the actions to be taken

Measures in case of the positive findings or single cases

if isolation of Brucella abortus or melitensis depopulation.

8.3. Notification system in place to the national competent authority^(c)

Since 1952, at least(Epizootic Diseases Law)At the moment by Animal Health Law 8/2003

8.4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Results of the investigation

see table

National evaluation of the recent situation, the trends and sources of infection

The implementation of Spanish Programme Surveillance of Brucellosis in Sheep and Goats allowed the detection of a recurrence of the disease with 1 outbreak due to B.suis that were eradicated by the depopulation of the infected holding.

8.5. Additional information

Status as officially free of ovine brucellosis during the reporting year

Whole territory of Spain

Relevance of the findings in animals to findings in foodstuffs and to human cases (as a source of infection)

*** For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent**

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, limit of detection of the method, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

9. Description of Monitoring/Surveillance/Control programmes system*: B. melitensis in animal – Goats

9.1. Monitoring/Surveillance/Control programmes system^(a)

see brucella melitensis in sheep

9.2. Measures in place^(b)

see brucella melitensis in sheep

9.3. Notification system in place to the national competent authority^(c)

see brucella melitensis in sheep

9.4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

see brucella melitensis in sheep

9.5. Additional information

see brucella melitensis in sheep

* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, limit of detection of the method, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

10. Description of Monitoring/Surveillance/Control programmes system*: Brucella spp. in foodstuff

10.1. Monitoring/Surveillance/Control programmes system^(a)

The control of Brucella is undergone in all foodstuffs and at all steps of the food chain by regional health authorities performing official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety

10.2. Measures in place^(b)

Official controls performed by regional health authorities in every Autonomous Community.

10.3. Notification system in place to the national competent authority^(c)

Yes. Please refer to Prevalence Tables

10.4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Detailed results of each Autonomous Community will be published by AESAN in the 2022 Zoonoses Data Analysis Report (Informe AESAN Análisis de Datos de Zoonosis 2022).

It will be available at:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/subseccion/vigilancia_zoonosis.htm

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/subseccion/vigilancia_zoonosis.htm

10.5. Additional information

The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002. (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

Spanish legislation on Brucella in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents.

* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, limit of detection of the method, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

11. General evaluation*: Salmonella spp.

11.1. History of the disease and/or infection in the country^(a)

Salmonellosis is the second main zoonoses (in number of human cases reported) in the European Union, also in Spain. Salmonella is the agent more frequently involved in reported foodborne outbreaks in Spain. In poultry, after the introduction in the 60's of the American production methods, the specific pathology of avian salmonellosis was caused by *S. Pullorum* and *S. Gallinarum*. In the middle of the 80's, a new infection in breeding flocks for meat production caused by *S. Enteritidis* came up, and following it, also in laying hens and in feed *S. Enteritidis* was isolated.

11.2. Evaluation of status, trends and relevance as a source for humans

Nowadays the sources of infection are widespread along the food chain: feed, animals, food (eggs and eggproducts, meat) and humans can be a source of infection.

At animal level, in breeding flocks, Spain have reached the community target in 2022 (0.36% positive flocks to 5 serovars).

In laying hens, adult flocks the prevalence in 2022 was 1.62%.

In broiler flocks, the prevalence of *S. Enteritidis* and *S. Typhimurium* was 0.13% in 2022.

In breeding turkeys, the prevalence of SE/ST, including monophasic strains, in 2022 was 1,12%. Nevertheless, as the total population of breeding turkeys is less than 100 flocks, and there was only one flock positive to these serotypes, the community target was reached.

In fattening turkeys the prevalence of SE/ST, including monophasic strains, in 2022 was 0.56%

Data indicate that we have reached the prevalence target in all poultry populations included in the National Surveillance and Control Programme of Salmonellosis in Spain in 2022.

At human level salmonellosis is a notifiable disease according to the Ministerial Order SSI/445/2015 that updates Royal Decree 2210/1995, laying down National Epidemiological Surveillance Network.

11.3. Any recent specific action in the Member State or suggested for the European Union^(b)

Ministry of Agriculture, Fisheries and Food and AESAN are carrying out a Control Programme of Salmonella in poultry, eggs and eggproducts along the overall food chain, starting with monitoring systems at holdings (National Surveillance Programme).

The control activities in foodstuffs are made according to Regulation (EC) 178/2002. (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

11.4. Additional information

Spanish legislation on Salmonella in foodstuff: Royal Decree 1254/1991 of August 2, laying down rules to preparation and conservation of mayonnaise prepared in the own establishment and for immediate consumption foods with eggs as ingredient. Royal Decree 3484/2000 of December 29, laying down hygiene rules to elaboration, distribution and commercialisation of ready-to-eat food. Royal Decree 640/2006, of May 26, laying down specific implementation conditions of the Communities rules concerning hygiene subjects, as well as foodstuff's production and commercialisation. Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents.

* For each zoonotic agent

(a): Epidemiological evaluation (trends and sources) over time until recent/current situation for the different relevant matrixes (food, feed, animal). If relevant: the official "disease status" to be specified for the whole country and/or specific regions within the country

(b): If applicable

12. Description of Monitoring/Surveillance/Control programmes system*: Salmonella spp. in animal - Gallus gallus (fowl) - broilers

12.1. Monitoring/Surveillance/Control programmes system^(a)

Monitoring system

Sampling strategy

Broiler flocks

Following point 1 of the Annex of Commission Regulation (EC) 200/2012 implementing Regulation (EC) 2160/2003 as regards a Community target for the reduction of the prevalence of Salmonella Enteritidis and Salmonella Typhimurium, including monophasic strains in broilers.

Frequency of the sampling

Broiler flocks: Before slaughter at farm

3 weeks prior to slaughter (FBO control and official control). Official control sampling is performed in at least one flock on 10% of the holdings with more than 5000 birds.

Type of specimen taken

Broiler flocks: Before slaughter at farm

Faeces (boot swabs)

Methods of sampling (description of sampling techniques)

Broiler flocks: Before slaughter at farm

Following point 2 of the Annex of Commission Regulation (EC) 200/2012 implementing Regulation (EC) 2160/2003 as regards a Community target for the reduction of the prevalence of Salmonella Enteritidis and Salmonella Typhimurium, including monophasic strains in broilers.

Case definition

Broiler flocks: Before slaughter at farm

A flock of broilers shall be considered positive for the purpose of verifying the achievement of the Community target, where the presence of Salmonella Enteritidis and/or Salmonella Typhimurium, including monophasic strains (other than vaccine strains) was detected in the flock at any occasion.

Diagnostic/analytical methods used

Broiler flocks: Before slaughter at farm

Bacteriological method EN/ISO 6579-1

12.2. Measures in place^(b)

Vaccination policy

Broiler flocks

Does not exist.

Other preventive measures than vaccination in place

Broiler flocks

Biosecurity measures Compliance with Good Practice Code

Control program/mechanisms

The control program/strategies in place

Broiler flocks

National Control Programme on Salmonella in broiler flocks 2022, approved by EU

https://www.mapa.gob.es/es/ganaderia/temas/sanidad-animal-higiene-ganadera/pncspollosdeengorde2022_tcm30-640119.pdf

Recent actions taken to control the zoonoses

National Control and Monitoring Programme on Salmonella in broiler flocks 2022, including biosecurity measures and compliance with Good Practice Code following Regulations 2160/2003, 1177/2006 and 200/2012.

Measures in case of the positive findings or single cases

Broiler flocks: Before slaughter at farm

Verification of the compliance of biosecurity measures

Cleaning, disinfection and treatment against rodents and insects

Verification of the efficacy of cleaning and disinfection

Epidemiological investigation

12.3. Notification system in place to the national competent authority^(c)

Since 1952, at least (Epizootic Diseases Law). At the moment by Animal Health Law 8/2003, Royal Decree 637/2021 and Royal Decree 1940/2004.

12.4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

see table

National evaluation of the recent situation, the trends and sources of infection
Spain has reached the community target.

12.5. Additional information

*** For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent**

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, limit of detection of the method, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

13. Description of Monitoring/Surveillance/Control programmes system*: Salmonella ssp. in animal - Gallus gallus (fowl) – laying hens flocks

13.1. Monitoring/Surveillance/Control programmes system^(a)

Monitoring system

Sampling strategy

Laying hens:

Following point 2 of the Annex of Commission Regulation (EU) 517/2011 of 25 May, implementing Regulation (EC) 2160/2003 as regards a Community target for the reduction of the prevalence of certain *Salmonella* serotypes in laying hens of *Gallus gallus*.

This sampling strategy is implemented by the Spanish National Control Programme on **Salmonella** in laying hens flocks of **Gallus gallus**, approved by EU.

Frequency of the sampling

Laying hens: Rearing period

FBO controls in:

- **Day-old chicks**
- **Birds 2 weeks prior movement to laying period.**

Laying hens: Production period

FBO controls: every 15 weeks in hens from 24+/-2 weeks old. Additionally, to the FBO controls, during production period an official control sampling is performed, with the following frequency: at least 1 flock per holding an year, preferably at the end of the production period. Additional official controls could be performed:

1. **Farm-related food-borne outbreak.**
2. Control of the rest of flocks when a Salmonella target positive flock has been detected in the farm.
3. Antimicrobial use control.
4. At 24 +/- **2 weeks**, when a Salmonella target positive flock has been detected in the shed.
5. At competent Authority's discretion.

Type of specimen taken

Laying hens: Rearing period

Coverings of the cages/ Viscera/Meconium/Faeces/ boot swabs

Laying hens: Production period

Faeces/boot swabs/fabric swabs

Methods of sampling (description of sampling techniques)

Laying hens:

Day-old chicks:

1. One sample made up of from 10 samples taken of the internal coverings of the cages transporting the chicks taken when they are delivered to the holding. The bases of the cages may be used directly as a sample, which will be sent either whole or in parts to the laboratories responsible for processing samples and may be made up of a single or more than one sample, or
2. Liver, caecum and yolk sac of 60 chicks (these parts of the viscera can be removed and processed as a single sample), or
3. A sample made up of meconium from at least 250 chicks.

Rearing period:

Faeces from different points of the holding or boot swabs.

Faeces or boot swabs can be pooled for analysis in 1 sample.

Production period:

Following point 2 of the Annex of Commission Regulation (EU) 517/2011 of 25 May, implementing Regulation (EC) 2160/2003 as regards a Community target for the reduction of the prevalence of certain Salmonella serotypes in laying hens flocks of **Gallus gallus**.

Case definition

Laying hens: Day-old chicks, rearing and production period:

A laying hen flock shall be considered positive when the presence of the relevant **Salmonella** serotypes (other than vaccine strains) has been detected in one or more samples taken in the flock, even if the relevant **Salmonella** serotypes is only detected in the dust sample, or when the confirmatory sampling as part of official controls in accordance with point 2.2.2.2(b) does not confirm the detection of relevant **Salmonella** serotypes but antimicrobials or bacterial growth inhibitors have been detected in the flock.

Diagnostic/analytical methods used

Laying hens: Day-old chicks

Bacteriological method: EN/ISO EN/ISO 6579-1 EN/ISO 6579-1

Laying hens: Rearing period

Bacteriological method: EN/ISO EN/ISO 6579-1 EN/ISO 6579-1

Laying hens: Production period

Bacteriological method: EN/ISO EN/ISO 6579-1 EN/ISO 6579-1

13.2. Measures in place^(b)

Vaccination policy

Laying hens:

Laying hens shall be vaccinated pursuant to **Regulation (EC) No 1177/2006**.

All laying hens shall be subject to mandatory vaccination programmes against *Salmonella* enteritidis, to reduce shedding and the contamination of eggs, at least during the rearing phase. The only exceptions will be holdings that the competent authority deems to have adequate biosecurity measures and to have fully implemented a plan for monitoring and control of *Salmonella* and that have demonstrated its effectiveness by having tested negative for *S. Enteritidis* and *S. Typhimurium*, including monophasic strains of *Salmonella* typhimurium with the antigenic formula 1,4,[5],12:i:-, for at least the past twelve months (in own checks) and as long as the most recent official monitoring has likewise produced negative results for *S. Enteritidis* and *S. Typhimurium*, including monophasic strains of *Salmonella* typhimurium with the antigenic formula 1,4,[5],12:i:-.

Other preventive measures than vaccination in place

Laying hens:

Biosecurity measures.

Compliance with Good Practice Code.

Control program/mechanisms

The control program/strategies in place

Laying hens:

Spanish National Control Programme on Salmonella in Laying Hens Flocks of ***Gallus gallus* 2022**

https://www.mapa.gob.es/es/ganaderia/temas/sanidad-animal-higiene-ganadera/pncsponedoras2022_tcm30-640120.pdf

Recent actions taken to control the zoonoses

Compulsory National Control Programme on Salmonella in Laying Hens Flocks of ***Gallus gallus* 2022**.

Measures in case of the positive findings or single cases

Laying hens:

According to the compulsory National Control Programme on Salmonella in Laying Hens Flocks of ***Gallus gallus* 2022**, including: movement of live birds forbidden, destruction or treatment of eggs, sacrifice-depopulation of the flock, epidemiological investigations, control of biosecurity measures, control of the effectiveness of cleaning and disinfection.

13.3. Notification system in place to the national competent authority^(c)

Since 1952, at least (Epizootic Diseases Law). At the moment by Animal Health Law 8/2003, Royal Decree 637/2021 and Royal Decree 1940/2004.

13.4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Results of the investigation

See table

National evaluation of the recent situation, the trends and sources of infection

Spain has reached the Community reduction target (<2%) for 2022.

13.5. Additional information

* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, limit of detection of the method, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

14. Description of Monitoring/Surveillance/Control programmes system*: **Salmonella ssp. in animal - Gallus gallus (fowl) - breeding flocks, unspecified**

14.1. Monitoring/Surveillance/Control programmes system^(a)

Monitoring system

Sampling strategy

Breeding flocks (separate elite, grand parent and parent flocks when necessary)

Following point 2 of the Annex of Commission Regulation (EU) 200/2010 of 10 March, implementing Regulation (EC) 2160/2003 as regards a Community target for the reduction of the prevalence of certain **Salmonella** serotypes in breeding flocks of Gallus gallus.

This sampling strategy is implemented by the Spanish National Control Programme on **Salmonella** in Breeding

Flocks of Gallus gallus, approved by EU

Frequency of the sampling

Breeding flocks (separate elite, grand parent and parent flocks when necessary):

Every flock is sampled

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Rearing period

- **Day-old chicks**
- **Birds of 4 weeks of age and 2 weeks prior movement to laying period.**

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Production period

FBO controls: every 2/3 weeks (In Spain the target was reached during the last 2 years, so the frequency could be modified from every 2 weeks to every 3 weeks if the FBO asks for it). Additionally to the FBO controls, during production period an official control sampling is performed, with the following frequency:

1. within 4 weeks following moving to the laying phase or laying unit
2. towards the end of the laying phase and not earlier than 8 weeks before the end of the production cycle

3. During the production period at time distant enough from the sampling referred in points 1. and 2. (In Spain we reached the target during the last 2 years, so the number of official controls can be reduce from 3 to 2 if the CA considers it appropriate).

Type of specimen taken

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Rearing period
Faeces/ boot swabs

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Production period
Faeces/boot swabs

Methods of sampling (description of sampling techniques)

Breeding flocks (separate elite, grand parent and parent flocks when necessary):

Day-old chicks:

1. One sample made up of from 10 samples taken of the internal coverings of the cages transporting the chicks taken when they are delivered to the holding. The bases of the cages may be used directly as a sample, which will be sent either whole or in parts to the laboratories responsible for processing samples and may be made up of a single or more than one sample, or
2. Liver, caecum and yolk sac of 60 chicks (these parts of the viscera can be removed and processed as a single sample), or
3. A sample made up of meconium from at least 250 chicks.

Rearing period:

Faeces from different points of the holding or boot swabs.

Faeces or boot swabs can be pooled for analysis up to a minimum of two pools.

Production period:

Following point 2 of the Annex of Commission Regulation (EU) 200/2010 of 10 March, implementing Regulation (EC) 2160/2003 as regards a Community target for the reduction of the prevalence of certain *Salmonella* serotypes in breeding flocks of *Gallus gallus*.

Case definition

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Day-old chicks, rearing and production period:

A breeding flock shall be considered positive when the presence of the relevant ***Salmonella*** serotypes (other than vaccine strains) has been detected in one or more samples taken in the flock, even if the relevant ***Salmonella*** serotypes are only detected in the dust sample, or when the confirmatory sampling as part of official controls in accordance with point 2.2.2.2(b) does not confirm the detection of relevant ***Salmonella*** serotypes but antimicrobials or bacterial growth inhibitors have been detected in the flock.

Diagnostic/analytical methods used

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Day-old chicks

Bacteriological method: EN/ISO EN/ISO 6579-1 EN/ISO 6579-1

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Rearing period

Bacteriological method: EN/ISO EN/ISO 6579-1 EN/ISO 6579-1

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Production period

Bacteriological method: EN/ISO EN/ISO 6579-1 EN/ISO 6579-1

14.2. Measures in place^(b)

Vaccination policy

Breeding flocks (separate elite, grand parent and parent flocks when necessary)

Voluntary/Compulsory in rearing flocks of the meat production line if one of the relevant ***Salmonella*** serovars was detected in the preceding flock.

Other preventive measures than vaccination in place

Breeding flocks (separate elite, grand parent and parent flocks when necessary)
Biosecurity measures.
Compliance with Good Practice Code.

Control program/mechanisms

The control program/strategies in place

Breeding flocks (separate elite, grand parent and parent flocks when necessary)
Spanish National Control Programme on Salmonella in Breeding Flocks of Gallus gallus 2022

https://www.mapa.gob.es/es/ganaderia/temas/sanidad-animal-higiene-ganadera/pncsreproductoras2022_tcm30-640121.pdf

Recent actions taken to control the zoonoses

Compulsory National Control Programme on Salmonella in Breeding Flocks of Gallus gallus 2022.

Measures in case of the positive findings or single cases

Breeding flocks (separate elite, grand parent and parent flocks when necessary)
According to the compulsory National Control Programme on Salmonella in Breeding Flocks of **Gallus gallus** 2022, including: movement of live birds forbidden, destruction or treatment of eggs, sacrifice-depopulation of the flock, epidemiological investigations, control of biosecurity measures, control of the effectiveness of cleaning and disinfection.

14.3. Notification system in place to the national competent authority^(c)

Since 1952, at least (Epizootic Diseases Law). At the moment by Animal Health Law 8/2003, Royal Decree 637/2021 and Royal Decree 1940/2004.

14.4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Results of the investigation

See table

National evaluation of the recent situation, the trends and sources of infection

Spain has reached the Community reduction (<1%) target for 2022.

14.5. Additional information

Relevance of the findings in animals to findings in foodstuffs and to human cases (as a source of infection)

Breeding flocks for **egg** production can be considered a very low source of infection for humans, **with 1 positive flock to Salmonella target serovars.**

In 2022, **5 positive flocks** to Salmonella target serovars were detected in **breeding flocks for meat** production.

* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, limit of detection of the method, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

15. Description of Monitoring/Surveillance/Control programmes system*: Salmonella spp. in Turkeys - breeding flocks and meat production flocks

15.1. Monitoring/Surveillance/Control programmes system^(a)

Monitoring system

Sampling strategy

Breeding flocks (separate elite, grand parent and parent flocks when necessary)

Following points 1 and 2 of the Annex of Commission Regulation (EC) 1190/2012 as regards a Community target for the reduction of the prevalence of **Salmonella** Enteritidis and **Salmonella** Typhimurium, including monophasic strains in turkeys.

Meat production flocks

Following points 1 and 2 of the Annex of Commission Regulation (EC) 1190/2012 as regards a Community target for the reduction of the prevalence of **Salmonella** Enteritidis and **Salmonella** Typhimurium, including monophasic strains in turkeys.

Frequency of the sampling

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Day-old chicks

Following point 1 of the Annex of Commission Regulation (EC) 1190/2012 as regards a Community target for the reduction of the prevalence of **Salmonella** Enteritidis and **Salmonella** Typhimurium, including monophasic strains in turkeys.

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Rearing period

Following point 1 of the Annex of Commission Regulation (EC) 1190/2012 as regards a Community target for the reduction of the prevalence of **Salmonella** Enteritidis and **Salmonella** Typhimurium, including monophasic strains in turkeys.

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Production period

Other: Following points 1 of the Annex of Commission Regulation (EC) 1190/2012 as regards a Community target for the reduction of the prevalence of **Salmonella** Enteritidis and **Salmonella** Typhimurium, including monophasic strains in turkeys.

Meat production flocks: Before slaughter at farm

Other: Following point 1 of the Annex of Commission Regulation (EC) 1190/2012 as regards a Community target for the reduction of the prevalence of **Salmonella** Enteritidis and **Salmonella** Typhimurium, including monophasic strains in turkeys.

Type of specimen taken

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Day-old chicks

Other: Following point 2 of the Annex of Commission Regulation (EC) 1190/2012 as regards a Community target for the reduction of the prevalence of **Salmonella** Enteritidis and **Salmonella** Typhimurium, including monophasic strains in turkeys.

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Production period

Other: Following point 2 of the Annex of Commission Regulation (EC) 1190/2012 as regards a Community target for the reduction of the prevalence of **Salmonella** Enteritidis and **Salmonella** Typhimurium, including monophasic strains in turkeys.

Meat production flocks: Before slaughter at farm

Other: Following point 2 of the Annex of Commission Regulation (EC) 1190/2012 as regards a Community target for the reduction of the prevalence of **Salmonella** Enteritidis and **Salmonella** Typhimurium, in turkeys.

Methods of sampling (description of sampling techniques)

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Day-old chicks

Following points 1 and 2 of the Annex of Commission Regulation (EC) 1190/2012 as regards a Community target for the reduction of the prevalence of **Salmonella** Enteritidis and **Salmonella** Typhimurium, including monophasic strains in turkeys.

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Rearing period

Following points 1 and 2 of the Annex of Commission Regulation (EC) 1190/2012 as regards a Community target for the reduction of the prevalence of **Salmonella** Enteritidis and **Salmonella** Typhimurium, including monophasic strains in turkeys.

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Production period

Following points 1 and 2 of the Annex of Commission Regulation (EC) 1190/2012 as regards a Community target for the reduction of the prevalence of **Salmonella** Enteritidis and **Salmonella** Typhimurium, including monophasic strains in turkeys.

Meat production flocks: Before slaughter at farm

Following points 1 and 2 of the Annex of Commission Regulation (EC) 1190/2012 as regards a Community target for the reduction of the prevalence of **Salmonella** Enteritidis and **Salmonella** Typhimurium, including monophasic strains in turkeys.

Case definition

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Rearing period

A flock of turkeys shall be considered positive for the purpose of verifying the achievement of the Community target, where the presence of **Salmonella** enteritidis and/or **Salmonella** typhimurium, including monophasic strains (other than vaccine strains) was detected in the flock at any occasion. Positive flocks of turkeys shall be counted only once per round, irrespective of the number of sampling and testing operations and only be reported in the year of the first positive sampling.

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Rearing period

A flock of turkeys shall be considered positive, where the presence of **Salmonella** Enteritidis and/or **Salmonella** Typhimurium, including monophasic strains (other than vaccine strains) was detected in the flock at any occasion.

Meat production flocks: Before slaughter at farm

A flock of turkeys shall be considered positive for the purpose of verifying the achievement of the Community target, where the presence of **Salmonella** Enteritidis and/or **Salmonella** Typhimurium, including monophasic strains (other than vaccine strains) was detected in the flock at any occasion.

Diagnostic/analytical methods used

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Day-old chicks

Bacteriological method: EN/ISO EN/ISO 6579-1 EN/ISO 6579-1

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Production period

Bacteriological method: EN/ISO EN/ISO 6579-1-

Meat production flocks: Before slaughter at farm

Bacteriological method: EN/ISO EN/ISO 6579-1

15.2. Measures in place^(b)

Vaccination policy

Breeding flocks (separate elite, grand parent and parent flocks when necessary)
Voluntary

Meat production flocks
It does not exist.

Other preventive measures than vaccination in place

Breeding flocks (separate elite, grand parent and parent flocks when necessary):
Biosecurity measures.
Compliance with Good Practice Code

Meat production flocks:
Biosecurity measures.
Compliance with Good Practice Code

Control program/mechanisms

The control program/strategies in place
Breeding flocks (separate elite, grand parent and parent flocks when necessary)
Spanish National Control Programme on **Salmonella** in Breeding Flocks of Turkeys 2022

Meat production flocks
Spanish National Control Programme on **Salmonella** in Meat Production Flocks of Turkeys 2022 approved by EU.

https://www.mapa.gob.es/es/ganaderia/temas/sanidad-animal-higiene-ganadera/pncspavos2022_tcm30-640117.pdf

Recent actions taken to control the zoonoses

Compulsory National Control Programme on **Salmonella** in Breeding Flocks and Meat Production Flocks of Turkeys 2022, following criteria of Regulation (EC) 1190/2012.

15.3. Notification system in place to the national competent authority^(c)

Notification system in place
Since 1952, at least (Epizootic Diseases Law). At the moment by Animal Health Law 8/2003, Royal Decree 637/2021 and Royal Decree 1940/2004.

15.4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Results of the investigation
see table

National evaluation of the recent situation, the trends and sources of infection
In 2022, Spain has achieved the community target in both (fattening turkeys and breeding turkeys).

15.5. Additional information

* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, limit of detection of the method, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the

Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

16. Description of Monitoring/Surveillance/Control programmes system*: Salmonella spp. in foodstuffs

16.1. Monitoring/Surveillance/Control programmes system^(a)

The control of *Salmonella* is undergone in all foodstuffs and at all steps of the food chain by regional health authorities performing official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety

Additionally, in Spain, the control of *Salmonella* in food is carried out according to program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety.

MS, Spanish Ministry of Health, through the Sub-directorate for Foreign Health, is the central competent authority for the monitoring and reporting of *Salmonella* in imported food. The control of *Salmonella* in imported food is carried out according to an annual surveillance plan.

The Analytical reference method is: ISO 6579.

For more information on this plan, please refer to the following link:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm

https://www.sanidad.gob.es/profesionales/saludPublica/sanidadExterior/PNCOCA/PNCOCA_2021_2025.pdf

http://www.aecosan.mssi.gob.es/AECOSAN/docs/documentos/seguridad_alimentaria/pncoca/P1_1_Criterios_microbiologicos.pdf

https://www.sanidad.gob.es/profesionales/saludPublica/sanidadExterior/PNCOCA/PNCOCA_2021_2025.pdf

Results of investigations published in the Annual Report of MANCP are available at:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/informe_anual_pncoca.htm

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/informe_anual_pncoca.htm

<https://www.sanidad.gob.es/profesionales/saludPublica/sanidadExterior/pncoca.htm>

16.2. Measures in place^(b)

The measures are carried out according to program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety

16.3. Notification system in place to the national competent authority^(c)

Yes. Please refer to Prevalence Tables

16.4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Detailed results of each Autonomous Community will be published by AESAN in the 2022 Zoonoses Data Analysis Report (Informe AESAN Análisis de Datos de Zoonosis 2022).

It will be available at:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/subseccion/vigilancia_zoonosis.htm

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/subseccion/vigilancia_zoonosis.htm

16.5. Additional information

The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

As a zoonotic agent or its toxin included in Regulation (UE) 2073/2005, this control is performed in compliance with the microbiological criteria laid down in the aforementioned Regulation

Spanish legislation on Salmonella in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents. Royal Decree 1254/1991 of August 2, laying down rules to preparation and conservation of mayonnaise prepared in the own establishment and for immediate consumption in foods with eggs as ingredient. Royal Decree 3484/2000 of December 29, laying down hygiene rules for preparation, distribution and marketing of ready-to-eat food. Royal Decree 640/2006, of May 26, laying down specific implementation conditions of the EU rules concerning hygiene practices, as well as foodstuff's production and marketing.

*** For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent**

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, limit of detection of the method, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

17. General evaluation*: Thermophilic *Campylobacter* spp. - general evaluation

18.1. History of the disease and/or infection in the country^(a)

Campylobacter spp. is at the moment the most frequent reported gastrointestinal disease in humans. Poultry are the main reservoir, and infection happens usually by consumption of poultry meat. Until the end of the 60's importance of *Campylobacter* spp. was not valued. Epidemiology investigations show an association of cases to poultry meat consumption.

18.2. Evaluation of status, trends and relevance as a source for humans

Poultry meat is the main source of infection. Another food implicated are red meat, raw milk, non-pasteurized cheese, and water.

18.3. Any recent specific action in the Member State or suggested for the European Union^(b)

Monitoring of the zoonoses according to Council Directive 2003/99/EEC.

The control activities in foodstuffs are made according to Regulation (EC) 178/2002. (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

Campylobacteriosis is a mandatory disease in Spain, since 2015, according to the Ministerial Order SSI/445/2015 that updates the Royal Decree 2210/1995, laying down National Epidemiological Surveillance Network

18.4. Additional information

Spanish legislation on *Campylobacter* in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents.

* For each zoonotic agent

(a): Epidemiological evaluation (trends and sources) over time until recent/current situation for the different relevant matrixes (food, feed, animal). If relevant: the official "disease status" to be specified for the whole country and/or specific regions within the country

(b): If applicable

18. Description of Monitoring/Surveillance/Control programmes system*: Campylobacter spp. in animal - Turkeys - fattening flocks -

18.1. Monitoring/Surveillance/Control programmes system^(a)

Monitoring system and Frequency of the sampling

Caecal samples of 10 animals by slaughter batch and by slaughterhouse and day of sampling, randomly selected. Each batch belonged to different flocks. Sampling has been performed at 7 slaughterhouses representing an important part of all the fattening turkeys sacrificed in Spain (82,77% in 2022). A total of 567 slaughter batches were taken in 2022. Samples were refrigerated immediately and sent to the laboratory and analysed within 24 hours.

Type of specimen taken

Caecal content

Methods of sampling (description of sampling techniques)

2 faecal material samples by slaughter batch and by holding

Caecum samples were taken refrigerated immediately and sent to the laboratory and analysed within 24 hours.

Case definition

A slaughter batch is considered as positive if isolation by bacteriological method and PCR identification.

Diagnostic/analytical methods used

Isolation in agar mCCDA(Oxoid) and agar Campyfood(bioMerieux) and identification by PCR multiplex. Monitoring is performed every 2 years.

18.2. Measures in place^(b)

The monitoring programme will be implemented each 2 years.

18.3. Notification system in place to the national competent authority^(c)

18.4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Slaughter batch prevalence in 2022 was 79,5% *Campylobacter spp* (*C.coli* 34,2%, *C.jejuni* 54,2% and *C.jejuni+C.coli* 11,3%)

18.5. Additional information

* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, limit of detection of the method, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

19. Description of Monitoring/Surveillance/Control programmes system*: Campylobacter spp. in animal - Broilers -

19.1. Monitoring/Surveillance/Control programmes system^(a)

Monitoring system

Sampling strategy

Frequency of the sampling

Caecal samples of 10 animals by slaughter batch and by slaughterhouse and day of sampling, randomly selected. Each batch belonged to different flocks. Sampling has been performed at 21 slaughterhouses representing an important part of all the fattening pigs sacrificed in Spain (65,30% in 2022). A total of 570 slaughter batches were taken in 2022. Samples were refrigerated immediately and sent to the laboratory and analysed within 24 hours.

Type of specimen taken

Caecal content

Methods of sampling (description of sampling techniques)

2 faecal material samples by slaughter batch and by holding.

Caecum samples were taken refrigerated immediately and sent to the laboratory and analysed within 24 hours.

Case definition

A slaughter batch is considered as positive if isolation by bacteriological method and PCR identification.

Diagnostic/analytical methods used

Isolation in agar mCCDA(Oxoid) and agar Campyfood(bioMerieux) and identification by PCR multiplex.

Monitoring is performed every 2 years.

19.2. Measures in place^(b)

19.3. Notification system in place to the national competent authority^(c)

19.4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Slaughter batch prevalence in 2022 was 61% *Campylobacter* spp (*C.coli* 24,7%, *C.jejuni* 65,1% and *C.jejuni*+*C.coli* 10,2%).

19.5. Additional information

* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, limit of detection of the method, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission`s website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

Spain

20. Description of Monitoring/Surveillance/Control programmes system*: Campylobacter in foodstuff

20.1. Monitoring/Surveillance/Control programmes system^(a)

The control of Campylobacter is undergone in all foodstuffs and at all steps of the food chain by official control of regional health authorities according to Article 14 of Regulation (EC) N° 178/2002 of January 28, 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety.

In addition, the MS, through the Sub directorate of Foreign Health, is responsible for the monitoring and surveillance of Campylobacter in imported foodstuff.

20.2. Measures in place^(b)

Official controls performed by regional health authorities in every Autonomous Community. Objective surveillance in imported food is performed by the BCP's personal, coordinated by the MS, Sub directorate of Foreign Health.

20.3. Notification system in place to the national competent authority^(c)

Yes. Please refer to Prevalence Tables

20.4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Detailed results of each Autonomous Community will be published by AESAN in the 2022 Zoonoses Data Analysis Report (Informe AESAN Análisis de Datos de Zoonosis 2022).

It will be available at:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/subseccion/vigilancia_zoonosis.htm

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/subseccion/vigilancia_zoonosis.htm

20.5. Additional information

The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

As a zoonotic agent or its toxin included in Regulation (UE) 2073/2005, this control is performed in compliance with the microbiological criteria laid down in the aforementioned Regulation Spanish legislation on Campylobacter in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents

* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, limit of detection of the method, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the

Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

21. General evaluation*: *Listeria* spp.

24.1. History of the disease and/or infection in the country^(a)

Listeria monocytogenes has been recognised as a human pathogen for more than 50 years. It causes invasive illness mainly in certain well defined high-risk groups, including immunocompromised persons, pregnant women and neonates. However, listeriosis can occur in otherwise healthy individuals, particularly in the setting of an outbreak. The public health importance of listeriosis is not always recognised particularly because listeriosis is a relatively rare disease compared to other common food-borne illnesses such as salmonellosis. Also listeriosis is a disease that clinically affects cattle, but mainly ewes in Spain.

24.2. Evaluation of status, trends and relevance as a source for humans

Listeria is a serious food safety issue, particularly for pregnant women, the elderly, and those who are immunocompromised in Spain.

24.3. Any recent specific action in the Member State or suggested for the European Union^(b)

The control activities in foodstuffs are made according to Regulation (EC) 178/2002. (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

Notification of Listeriosis is a mandatory in Spain, according to the Ministerial Order SSI/445/2015 that updates the Royal Decree 2210/1995, laying down National Epidemiological Surveillance Network since 2015.

24.4. Additional information

The diagnostic method used in food is: ISO 11290-2_:2004.

Spanish legislation on *Listeria* in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents.

*** For each zoonotic agent**

(a): Epidemiological evaluation (trends and sources) over time until recent/current situation for the different relevant matrixes (food, feed, animal). If relevant: the official "disease status" to be specified for the whole country and/or specific regions within the country

(b): If applicable

22. Description of Monitoring/Surveillance/Control programmes system*: *Listeria* spp. in foodstuff

22.1. Monitoring/Surveillance/Control programmes system^(a)

As the control of *Listeria monocytogenes* in ready-to-eat products is in Regulation (EC) No 2073/2005, in Spain, it is carried out according to program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety.

Also, this control of *Listeria monocytogenes* is undergone in all foodstuffs and at all steps of the food chain by official control of regional health authorities according to Article 14 of

Spain

Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety

In addition, **MS**, Spanish Ministry of Health, through the Sub-directorate for Foreign Health, is the central competent authority for the monitoring and reporting Listeria in imported food and responsible for the samples obtained from the BCP's. The surveillance of Listeria is based in an annual plan involving all BCP's.

For more information on this plan, please refer to the following link:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm

https://www.sanidad.gob.es/profesionales/saludPublica/sanidadExterior/PNCOCA/PNCOCA_2021_2025.pdfhttp://www.aecosan.mssi.gob.es/AECOSAN/docs/documentos/seguridad_alimentaria/pncoca/P11_Criterios_microbiolgcicos.pdf

https://www.sanidad.gob.es/profesionales/saludPublica/sanidadExterior/PNCOCA/PNCOCA_2021_2025.pdf

Results of investigations published in the Annual Report of MANCP are available at:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/informe_anual_pncoca.htm

<https://www.sanidad.gob.es/profesionales/saludPublica/sanidadExterior/pncoca.htm>

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/informe_anual_pncoca.htm

<https://www.sanidad.gob.es/profesionales/saludPublica/sanidadExterior/pncoca.htm>

22.2. Measures in place^(b)

The measures are carried out according to program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety.

22.3. Notification system in place to the national competent authority^(c)

Yes. Please refer to Prevalence Tables

22.4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Detailed results of each Autonomous Community will be published by AESAN in the 2022 Zoonoses Data Analysis Report (Informe AESAN Análisis de Datos de Zoonosis 2022).

It will be available at:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/subseccion/vigilancia_zoonosis.htm

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/subseccion/vigilancia_zoonosis.htm

22.5. Additional information

The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

As a zoonotic agent or its toxin included in Regulation (UE) 2073/2005, this control is performed in compliance with the microbiological criteria laid down in the aforementioned Regulation Spanish legislation on Listeria in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents

*** For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent**

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, limit of detection of the method, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

23. General evaluation*: Yersinia Enterocolitica

26.1. History of the disease and/or infection in the country^(a)

Animals are the main source of Yersinia. Faecal wastes from animals (particularly pigs) may contaminate water, milk and foods and become a source of infection for people or other animals.

26.2. Evaluation of status, trends and relevance as a source for humans

National evaluation of the recent situation, the trends and sources of infection

26.3. Any recent specific action in the Member State or suggested for the European Union^(b)

Notification of yersiniosis is mandatory in Spain, according to the Ministerial Order SSI/445/2015 that updates the Royal Decree 2210/1995, laying down National Epidemiological Surveillance Network since 2015.

The control activities in foodstuffs are made according to Regulation (EC) 178/2002. (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

26.4. Additional information

Spanish legislation on Yersinia in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents.

*** For each zoonotic agent**

(a): Epidemiological evaluation (trends and sources) over time until recent/current situation for the different relevant matrixes (food, feed, animal). If relevant: the official "disease status" to be specified for the whole country and/or specific regions within the country

(b): If applicable

24. Description of Monitoring/Surveillance/Control programmes system*: Yersinia spp. in foodstuff

24.1. Monitoring/Surveillance/Control programmes system^(a)

The control of Yersinia is undergone in all foodstuffs and at all steps of the food chain by regional health authorities performing official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety

24.2. Measures in place^(b)

Official controls performed by regional health authorities in every Autonomous Community.

24.3. Notification system in place to the national competent authority^(c)

Yes. Please refer to Prevalence Tables

24.4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Detailed results of each Autonomous Community will be published by AESAN in the 2022 Zoonoses Data Analysis Report (Informe AESAN Análisis de Datos de Zoonosis 2022).

It will be available at:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/subseccion/vigilancia_zoonosis.htm

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/subseccion/vigilancia_zoonosis.htm

24.5. Additional information

The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002. (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

Spanish legislation on Yersinia in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents.

* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, limit of detection of the method, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

25. General evaluation*: *Trichinella* spp.

29.1. History of the disease and/or infection in the country^(a)

Trichinellosis is a notifiable zoonosis, cases are usually associated to outbreaks.

29.2. Evaluation of status, trends and relevance as a source for humans

In Spain coexist domestic and sylvatic cycles. The main circulating species are *T. spiralis* and *T. britovi*, which are widely distributed in our environment, sometimes in mixed infestations of both species. *T. pseudospiralis* was detected, for the first time in 2014 in an infested boar. The importance of the detection of this species lies in the fact that it does not form a capsule and that it could not be detected by the trichinoscopic method.

29.3. Any recent specific action in the Member State or suggested for the European Union^(b)

Trichinellosis is a notifiable disease according to Royal Decree 2210/1995 (updated according to the Ministerial Order SSI/445/2015), laying down the National Epidemiological Surveillance Network.

Official Control activities to prevent and eradicate Trichinosis are performed according to European Regulation (UE) 2015/1375 of 10 August 2015 laying down specific rules on official controls for *Trichinella* in meat, currently in force.

The control activities in foodstuffs are made according to Regulation (EC) 178/2002. (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

29.4. Additional information

In Spain the wild game meat to be sold at retail is regulated by the Spanish Royal Decree 640/2006, of May 26, 2006, laying down specific implementation conditions of the European union rules regarding hygienepactices, as well as foodstuffs production and commercialisation.

According to Article 7 of Regulation (UE) 2015/1375 of 10 August 2015 laying down specific rules on official controls for *Trichinella* in meat, currently in force. Spain has prepared a contingency plan outlining all action to be taken when samples referred to in Articles 2 and 16 test are positive to *Trichinella*.

Spanish legislation on *Trichinella* in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents.

* For each zoonotic agent

(a): Epidemiological evaluation (trends and sources) over time until recent/current situation for the different relevant matrixes (food, feed, animal). If relevant: the official "disease status" to be specified for the whole country and/or specific regions within the country

(b): If applicable

26. Description of Monitoring/Surveillance/Control programmes system*: *Trichinella* spp. in foodstuff

26.1. Monitoring/Surveillance/Control programmes system^(a)

The control of *Trichinella* is undergone at slaughterhouse by regional health authorities performing official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety.

Official Control activities to prevent and eradicate Trichinosis are performed according to European Regulation (UE) 2015/1375 of 10 August 2015 laying down specific rules on official controls for *Trichinella* in meat.

Additionally, in Spain, the control of *Trichinella* in food is carried out according to program 4 of the Multiannual National Control Plan (MANCP), related to daily control in slaughterhouses, control of game handling establishments and fighting cattle cutting plants.

For more information on this plan, please refer to the following link:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm

http://www.aecosan.mssi.gob.es/AECOSAN/docs/documentos/seguridad_alimentaria/pncoca/P4_Mataderos_otros.pdf

Results of investigations published in the Annual Report of MANCP are available at:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/informe_anual_pncoca.htm

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/informe_anual_pncoca.htm

26.2. Measures in place^(b)

The measures are carried out according to program 4 of the Multiannual National Control Plan (MANCP), related to daily control in slaughterhouses, control of game handling establishments and fighting cattle cutting plants.

26.3. Notification system in place to the national competent authority^(c)

Yes. Please refer to Prevalence Tables

26.4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Detailed results of each Autonomous Community will be published by AESAN in the 2022 Zoonoses Data Analysis Report (Informe AESAN Análisis de Datos de Zoonosis 2022).

It will be available at:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/subseccion/vigilancia_zoonosis.htm

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/subseccion/vigilancia_zoonosis.htm

26.5. Additional information

The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

Spanish legislation on Trichinella in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents. Wild game meat to be sold at retail is regulated by Spanish Royal Decree 640/2006, of May 26, 2006, laying down specific implementation conditions of the European union rules regarding hygiene practices, as well as foodstuffs production and marketing.

*** For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent**

- (a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, limit of detection of the method, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
- (b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
- (c): Mandatory: Yes/No.
- (d): Minimum five years.
- (e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

27. General evaluation*: Echinococcus spp.

31.1. History of the disease and/or infection in the country^(a)

In 80s many regions started to set up a control programme based in control of animal echinococcosis and in general people health education and focused in professionals related with animals and at school level. Similar control programmes have been developed in other Autonomous Communities. The implementation of these control programmes got good results in the decrease of the incidence of the disease. Routine post-mortem examination at slaughterhouse has been carried out according to European legislation in force (Hygiene Package).

31.2. Evaluation of status, trends and relevance as a source for humans

Control programmes in endemic regions got good results in the decrease of the disease at human level. Main source of infection in Spain is cycle between sheep, dog and humans. The epidemiological surveillance of human CE was initiated in the 1950s by the provincial health government authorities, through an active search of cases with individualized information.

31.3. Any recent specific action in the Member State or suggested for the European Union^(b)

Human echinococcosis was a notifiable disease in some Spanish regions, according to the Royal Decree 2210/1995, laying down National Epidemiological Surveillance Network. Since 2015 it is a mandatory disease in all the Spanish regions according to the Ministerial Order SSI/445/2015.

Surveillance according to Directive 2003/99/EEC. Control programmes in endemic regions. Inclusion in National Epidemiology Surveillance Network according to Royal Decree 2210/1995. The control activities in foodstuffs are made according to Regulation (EC) 178/2002. (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

31.4. Additional information

Spanish legislation on Echinococcus in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents

*** For each zoonotic agent**

(a): Epidemiological evaluation (trends and sources) over time until recent/current situation for the different relevant matrixes (food, feed, animal). If relevant: the official "disease status" to be specified for the whole country and/or specific regions within the country

(b): If applicable

28. Description of Monitoring/Surveillance/Control programmes system*: Echinococcus spp. in foodstuff

28.1. Monitoring/Surveillance/Control programmes system^(a)

The control of Echinococcus is undergone at slaughterhouse by regional health authorities performing official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety

Additionally, in Spain, the control of Echinococcus in food is carried out according to program 4 of the Multiannual National Control Plan (MANCP), related to daily control in slaughterhouses, control of game handling establishments and fighting cattle cutting plants.

Spain

For more information on this plan, please refer to the following link:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm

http://www.aecosan.msssi.gob.es/AECOSAN/docs/documentos/seguridad_alimentaria/pncoca/P4_Mataderos_otros.pdf

Results of investigations published in the Annual Report of MANCP are available at:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/informe_anual_pncoc_a.htm

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/informe_anual_pncoc_a.htm

28.2. Measures in place^(b)

The measures are carried out according to program 4 of the Multiannual National Control Plan (MANCP), related to daily control in slaughterhouses, control of game handling establishments and fighting cattle cutting plants.

28.3. Notification system in place to the national competent authority^(c)

Yes. Please refer to Prevalence Tables

28.4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Detailed results of each Autonomous Community will be published by AESAN in the 2022 Zoonoses Data Analysis Report (Informe AESAN Análisis de Datos de Zoonosis 2022).

It will be available at:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/subseccion/vigilancia_zoonosis.htm

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/subseccion/vigilancia_zoonosis.htm

28.5. Additional information

The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

Spanish legislation on Echinococcus in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents.

* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, limit of detection of the method, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

- (b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
- (c): Mandatory: Yes/No.
- (d): Minimum five years.
- (e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

29. General evaluation*: Lyssavirus (rabies)

29.1. History of the disease and/or infection in the country^(a)

Paralytic and furious forms of rabies are described in the second book of the Hunting Agreement in the time of King Alfonso XI (1312-1350). **The Royal Assembly of Health**, publication of 23 November 1786, adopted measures to avoid transmission of rabies controlling movement of dogs and cats. **Royal Order of 1863** describes "measures of preservation that one has to follow in each case where the bite has been from a supposed rabid animal" and also set down the measures against rabies in animals, which were to be adopted by Local Authorities. At the beginning of the 20th century, **the Law of 18 December 1914 and Regulation of 4 June 1915** are approved to prevent the transmission of human. **On 12 May 1947** the Ministry of Agriculture issued a General Order establishing the measures to be taken against rabies and a second **Order of 1948** established the norms for animal vaccination and control. During the 1950s the **first mass dog vaccination** campaigns took place. **The Epizootics Law of 20 December 1952** established the general regulation.

29.2. Evaluation of status, trends and relevance as a source for humans

Since 1978 Spanish mainland and islands remains free of rabies in terrestrial mammals. Only a few cases of EBL have been reported in bats. These data show that the main source and risk for the apparition of cases of rabies in Spain is the importation of animals with the infection from Morocco, other countries of North Africa or countries of the Eastern Europe, where the disease is still present.

Since 1975 no human cases with origin in peninsular territory and islands have been reported.

Three fatal cases were imported from Morocco, (2004 Ceuta), (2014 C. Madrid) and (2019 Basque country).

29.3. Any recent specific action in the Member State or suggested for the European Union^(b)

Compulsory surveillance of the disease according to article 4 of Directive 2003/99/EEC, came into force by Royal Decree 1940/2004. Compulsory vaccination of dogs in 13 autonomous communities, Ceuta and Melilla. Voluntary in the rest. Studies including active surveillance of LB-1 in bats. Information to the citizens about no manipulation of bats. An Action Plan has been approved, and includes risk evaluation, surveillance, mechanisms to control and a response protocol with four alert levels.

At human level rabies is a notifiable disease according to Royal Decree 2210/1995 (updated according to the Ministerial Order SSI/445/2015), laying down the National Epidemiological Surveillance Network.

29.4. Additional information

*** For each zoonotic agent**

- (a): Epidemiological evaluation (trends and sources) over time until recent/current situation for the different relevant matrixes (food, feed, animal). If relevant: the official "disease status" to be specified for the whole country and/or specific regions within the country
- (b): If applicable

30. Description of Monitoring/Surveillance/Control programmes system*: Lyssavirus (rabies) in animal - Dogs

30.1. Monitoring/Surveillance/Control programmes system^(a)

Monitoring system

Sampling strategy

Sampling strategy is targeted at 3 levels:

1. Apparently healthy terrestrial mammals that injure a person and die into the quarantine (kept under observation) period of 14 days or if the animal is suspected to be rabid (euthanasia). Samples are taken by competent authority.

Passive surveillance.

2. Dogs and cats imported from third countries not included in part 1 and 2 of Annex II of Council Regulation (EC) No 577/2013 need a neutralising antibody titration at least equal to 0,5 IU/ml carried out in an approved laboratory to enter into Spain according to Council Regulation (EC) No 576/2013.

3. Studies including active surveillance of LB in bats.

Frequency of the sampling

Indeterminate

Type of specimen taken

Brain, Blood, Saliva

Methods of sampling (description of sampling techniques)

Brain of dead or sacrificed animals have to be sent to National Reference Laboratory following a protocol of sending. The sample has to be taken with sterility, to be submerged in salinum serum and glycerine in 50% solution and to be sent refrigerated quickly. Blood and serum (0,5 ml minimum) have to be sent following a protocol, by a quick transport service refrigerated or frozen.

Case definition

According to the Rabies Contingency Plan:

- **Possible case: animal that has been in contact with a probable case.**
- **Probable case: animal that has been in contact with a confirmed case or has compatible clinical symptoms. Travel to countries where rabies is endemic and bat bites will be assessed.**
- **Suspicion case: both possible and probable cases.**
- **Confirmed case: animal with laboratory confirmation.**

Commission Implementing Decision (EU) 2018/945 of 22 June 2018 on the communicable diseases and related special health issues to be covered by epidemiological surveillance as well as relevant case definitions. Regulation (EU) 2022/2371 of the European Parliament and of the Council OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 23 November 2022 on serious cross-border threats to health and repealing Decision No 1082/2013/EU and Commission Implementing Decision (EU) 2018/945 of 22 June 2018 on the communicable diseases and related special health issues to be covered by epidemiological surveillance as well as relevant case definitions and Commission Delegated Regulation (EU) 2020/689 of 17 December 2019 supplementing Regulation (EU) 2016/429 of the European Parliament and of the Council as regards rules for surveillance, eradication programmes, and disease-free status for certain listed and emerging diseases

Diagnostic/analytical methods used

Fluorescent Antibody Test (FAT), Polymerase Chain Reaction followed by DNA sequencing genomic areas, ELISA

30.2. Measures in place^(b)

Vaccination policy

Compulsory vaccination of dogs in 13 regions, Ceuta and Melilla.
Voluntary vaccination of dogs in 4 regions.

Other preventive measures than vaccination in place

Control of animals coming from third countries not included in part 1 and 2 of Annex II of Council Regulation (EC) No 577/2013 Identification and registration of dogs. Pick up of stray dogs by council town authorities.

Control program/mechanisms

The control program/strategies in place. Several regional prevention programmes. Control of imports and exports according to Council Regulation(EC) No 576/2013 and Regulation(EC) No 577/2013.

Recent actions taken to control the zoonoses

Imports of third countries not included in part 1 and 2 of Annex II of Council Regulation (EC) No 577/2013 An Action Plan has been approved in 2010, and includes risk evaluation, surveillance, mechanisms to control and a response protocol with four alert levels.

Measures in case of the positive findings or single cases

Spanish National Contingency Plan against rabies.

30.3. Notification system in place to the national competent authority^(c)

Since 1952, at least, by Epizootic Law. At the moment by Animal Health Law 8/2003 and Royal Decree 526/2014.

30.4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

In Spain, there have not been any cases of rabies in dogs since 1978 (with the exception of an animal that travelled to Morocco in 2013).

30.5. Additional information

Investigations of the human contacts with positive cases

All the people bitten by a suspected animal are investigated following the protocol " Rules of procedures in case of animal aggressions", published in 2012 (Spanish Contingency Plan). According to the epidemiological situation and the type of contact with the suspected animal, the decision about the application of complete treatment (vaccine and Ig) is taken.

In 2013 was updated the protocol " Rules of procedures in case of animal aggressions", that includes risk assessment, actions to be taken after a risk exposition and treatment after a risk exposition and the "Action Plan for rabies in animals" that includes risk evaluation, surveillance, mechanisms to control and a response protocol with four alert levels.

* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, limit of detection of the method,

diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

31. General evaluation*: Coxiella burnetii (Q fever)

35.1. History of the disease and/or infection in the country^(a)

Q fever is a zoonosis with widely extended in the world. It is transmitted airborne from animals to humans and can survive in the environment for long periods. The main reservoirs are cattle, sheep, and goats.

35.2. Evaluation of status, trends and relevance as a source for humans

The epidemiological situation of Q fever in Spain remains stable but Spain reports the most human cases annually in Europe

35.3. Any recent specific action in the Member State or suggested for the European Union^(b)

At human level, Q fever is a notifiable disease according to the Ministerial Order SSI/445/2015 that updates the Royal Decree 2210/1995, laying down National Epidemiological Surveillance Network.

Positive herd with at least 1 animal confirmed by PCR.

35.4. Additional information

In Spain spatial distribution of human cases is heterogenous and follows patterns in the most affected areas, probably related to local environmental and livestock factors. The compulsory declaration of the disease is a major step towards a shed of light on the knowledge of its epidemiology. More One Health-multidisciplinary studies are need.

*** For each zoonotic agent**

(a): Epidemiological evaluation (trends and sources) over time until recent/current situation for the different relevant matrixes (food, feed, animal). If relevant: the official "disease status" to be specified for the whole country and/or specific regions within the country

(b): If applicable

32. General evaluation*: West Nile

36.1. History of the disease and/or infection in the country^(a)

In spite of West Nile virus circulation in Spain is known since 1980's, the first human case was identified retrospectively in a person who had clinical disease in 2004. It was formally included as a notifiable disease in 2015. Until 2019, only few sporadic human cases had been notified (2010 and 2016). In 2020 an unprecedented increase of human cases was observed. All human cases had been exposed in Southwest Spain, and there have been few cases also in 2021. It is the first time that human cases had occurred in 2 consecutive seasons.

36.2. Evaluation of status, trends and relevance as a source for humans

West Nile virus is known to be circulating in Southwest Spain in its zoonotic cycle. This poses a risk of human disease in people who are exposed in those areas, where the risk is considered to be moderate. There is a possibility of spread into new areas. The risk for humans is higher during mosquito season (from April to November), specially at the end of summer and beginning of autumn.

36.3. Any recent specific action in the Member State or suggested for the European Union^(b)

A National preparedness and response plan is being developed. Local Public Health agencies are also developing specific plans at their territories.

36.4. Additional information

The lineage identified in human cases in Spain to the date, has been lineage 1.

*** For each zoonotic agent**

(a): Epidemiological evaluation (trends and sources) over time until recent/current situation for the different relevant matrixes (food, feed, animal). If relevant: the official "disease status" to be specified for the whole country and/or specific regions within the country

(b): If applicable

33. Description of Monitoring/Surveillance/Control programmes system*: West Nile in animals

33.1. Monitoring/Surveillance/Control programmes system^(a)

The National Surveillance Plan for West Nile Virus in animals was first developed and implemented in 2007. The plan is risk-based and focused on areas where there are favourable climatic and environmental conditions for the breeding and survival of the competent vector *Culex*, taking into account also the presence of migratory waterfowl spp described as possible reservoir, as they may play an important role in the spread of the virus between different geographical regions. Humid areas such as river basins, deltas or lakes with an abundance of migratory birds and mosquitoes are the optimal habitats for the circulation of the disease, and are therefore the areas considered at higher risk and the areas where surveillance is focused.

The surveillance plan also considers the equids as sentinels, mainly in the areas at higher risk, given they are more exposed to the bite of the vector than humans for being more in contact with the environment.

The results of the surveillance plan will determine the absence or presence of virus circulation, and, in the end, will inform for an effective response through the adoption of a series of preventive measures aimed at preventing the risk posed to animal health and the risk posed to public health.

The objectives of the surveillance plan are:

- To detect the presence of viral circulation in an area, so that the areas at higher risk in which the disease is present can be identified as soon as possible.
- To have information that allows to assess the risk of occurrence of the disease, in order to give an effective response to prevent impact on animal health and public health.

Sampling Strategy

The National Surveillance Plan includes surveillance in birds, equids and mosquitoes.

Surveillance in equidae comprises a passive component based on awareness campaigns and the investigation of those animals showing symptoms compatible with the disease and active component based on systematic sampling from sentinel animals located in geographical areas considered to be at higher risk (mainly the areas near the Doñana National Park, the Ebro Delta and the wetlands of Catalonia, Valencia, Murcia and the Balearic Islands).

Given the seasonal nature of the disease, which coincides with the mosquito activity season, the plan is activated from March-April until late autumn.

Surveillance of birds is carried out in an attempt to early detect the presence of the virus, and covers active and passive surveillance in domestic and wild birds, also focused in high risk areas.

Surveillance of mosquitoes *Culex* is carried out with a double objective: identification and distribution of vectors and early detection of the virus.

Type of samples:

In domestic and wild birds:

- Active surveillance: serum samples, cloacal and/or tracheal swabs, and feather samples
- Passive surveillance: brain samples, cloacal and/or tracheal swabs, and feather samples.

In equids:

- Active surveillance: serum samples

- Passive surveillance: blood and serum samples. When possible, or in the event of animal death, cerebrospinal fluid and/or tissue/organ samples may be taken.

Case definition

- A suspected case complemented with a positive result for IgM by ELISA at the National Reference Laboratory.
- Positive RT-PCR result

Diagnostic/analytical methods used SNT, Elisa IgM and IgG, and PCR

33.2. Measures in place^(b)

- Early notification of suspicions and confirmed cases.
- Strengthen passive surveillance in equine farms in the area where the virus has been detected
- Housing of animals during peak activity hours of vectors, as well as vector control measures in the environment in high risk areas, through the use of disinfectants.
- Vaccination of equines, especially in those areas considered to be at greater risk
- No animal restrictions are applicable.

33.3. Notification system in place to the national competent authority^(c)

According to Implementing Regulation 2020/2002 and by Animal Health Law 8/2003

33.4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Between 2010 and 2022, lineage 1 of West Nile Virus has been detected in birds and in various equine holdings. In October 2017, lineage 2 of the virus was first detected in a bird, the common goshawk, which presented clinical symptoms, and was also detected in 2020 and 2021 in wild birds and 1 time in Culex.

From the phylogenetic results obtained to date in isolates from different years and geographical areas of circulating WNV viruses in Spain, it can be concluded that:

- Molecular and epidemiological data suggest that the first introduction of WNV in the western Mediterranean region was possibly through migratory birds.
- The WNV isolates characterized in Spain between 2007 and 2016 are distributed in at least two clusters within the group of isolates from the western Mediterranean (Wmed-1 and Wmed-2), of which the Wmed-2 cluster, which caused the first isolated from Spain, seems to have become extinct, at least in our territory, as no sequence after 2008 is grouped in it.
- The virus does not need new introductions from other territories to produce new outbreaks, given that it continues to circulate endemically in the Iberian Peninsula.
- Phylogenetic studies suggest at least 2 recent introductions in our country from other areas of the Mediterranean.
- Lineage 1 is currently present in Spain in the center and south of the peninsula and lineage 2 in the northeast.

33.5. Additional information

The following link includes additional information on the disease:

https://www.mapa.gob.es/es/ganaderia/temas/sanidad-animal-higiene-ganadera/sanidad-animal/enfermedades/fiebre-nilo-occidental/F_O_Nilo.aspx

The following link includes additional information on the disease and on the risk analysis carried out in Spain in September 2021 by the Coordinated Center for Alerts and Emergencies of the Ministry of Health in coordination with MAPA:

https://www.mscbs.gob.es/profesionales/saludPublica/ccayes/alertasActual/docs/20210902_ERR_Nilo_Occidental.pdf

https://www.mscbs.gob.es/profesionales/saludPublica/ccayes/alertasActual/docs/20210902_ERR_Nilo_Occidental.pdf

*** For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent**

- (a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, limit of detection of the method, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
- (b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
- (c): Mandatory: Yes/No.
- (d): Minimum five years.
- (e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

34. General evaluation*: Toxoplasma spp.

38.1. History of the disease and/or infection in the country^(a)

Toxoplasmosis in production animals has been associated classically to the production of miscarriage. The main source of infection is linked to the contamination of feed by cat faeces, although the use of dung in pasture natural fertilization has to be considered as an important source of infection for adults. For humans, there are two main sources of infection: contact with cats and consumption of vegetables, water or animal products, mainly sheep and pig meat. In 60's and 70's studies in some regions of Spain detected prevalence between 12-45% in sheep; between 11- 42% in pig; and between 14-36% in cattle. More recent studies refer the prevalence between 30-57% in sheep; between 41-62% in pig; and between 25-43% in cattle. In cats, the incidence founded by private clinics are close to 30%.

38.2. Evaluation of status, trends and relevance as a source for humans

Main sources of infection for humans are cats and consumption of meat insufficient cooked.

38.3. Any recent specific action in the Member State or suggested for the European Union^(b)

Surveillance according to Directive 2003/99/EC. Primary prevention of the disease with recommendations to prevent infection during pregnancy in Humans

At human level congenital toxoplasmosis is a notifiable disease according to the Ministerial Order SSI/445/2015 that updates the Royal Decree 2210/1995, laying down National Epidemiological Surveillance Network.

38.4. Additional information

More studies need to be developed about incidence of congenital toxoplasmosis.

*** For each zoonotic agent**

(a): Epidemiological evaluation (trends and sources) over time until recent/current situation for the different relevant matrixes (food, feed, animal). If relevant: the official "disease status" to be specified for the whole country and/or specific regions within the country

(b): If applicable

35. General evaluation*: Verotoxigenic Escherichia coli (VTEC)

39.1. History of the disease and/or infection in the country^(a)

Verotoxigenic Escherichia coli have emerged as foodborne pathogens which can cause severe and potentially fatal illness. Ruminants, especially cattle and sheep, have been implicated as the principal reservoir of VTEC. Transmission happened through consumption of undercooked meat, unpasteurized dairy products, vegetables or water contaminated by ruminant faeces. In 2007-2011, 2013, 2015, 2017, 2019 and 2021 national active monitoring programmes have been performed in young cattle 1-2 years old at slaughterhouse under a herd based approach.

39.2. Evaluation of status, trends and relevance as a source for humans

In cattle, the percentage of animals colonized by strain O157:H7 has been similar in last monitoring programmes. Raw beef products are the main source of infection. Small ruminants may also represent a source of transmission of VTEC to humans.

39.3. Any recent specific action in the Member State or suggested for the European Union^(b)

Surveillance of the disease according to Directive 2003/99/EEC. National monitoring programmes 2007-2011 and 2013 in young cattle 1-2 years old, and in 2017, 2018 and 2021 in calves under 1 year. Compulsory and voluntary monitoring programmes in raw meat of different species of animals, minced meat and meat products, other animal origin products, vegetables and others products. At human level VTEC is a notifiable disease according to the Ministerial Order SSI/445/2015 that updates the Royal Decree 2210/1995, laying down National Epidemiological Surveillance Network. The control activities in foodstuffs are made according to Regulation (EC) 178/2002. (I.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

39.4. Additional information

Diagnostic methods used in food:- Bacteriological method: ISO 16.654:2001.- Method ELISA- PCR-Bax Spanish legislation on Verotoxigenic Escherichia coli (VTEC) in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents

*** For each zoonotic agent**

(a): Epidemiological evaluation (trends and sources) over time until recent/current situation for the different relevant matrixes (food, feed, animal). If relevant: the official "disease status" to be specified for the whole country and/or specific regions within the country

(b): If applicable

36. Description of Monitoring/Surveillance/Control programmes system*: Verotoxigenic Escherichia coli (VTEC) in foodstuff

36.1. Monitoring/Surveillance/Control programmes system^(a)

The control of VTEC is undergone in all foodstuffs and at all steps of the food chain by regional health authorities performing official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety

Spain

Additionally, in Spain, the control of VTEC in food is carried out according to program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety.

MS, Spanish Ministry of Health, through the Sub-directorate for Foreign Health, is the central competent authority for the monitoring and reporting VTEC/STEC in imported food and responsible for the surveillance plan that annually carry out by the inspection staff at the BCP's.

For more information on this plan, please refer to the following link:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm

https://www.sanidad.gob.es/profesionales/saludPublica/sanidadExterior/PNCOCA/PNCOCA_2021_2025.pdf

http://www.aecosan.mssi.gob.es/AECOSAN/docs/documentos/seguridad_alimentaria/pncoca/P1_1_Criterios_microbiolgicos.pdf

https://www.sanidad.gob.es/profesionales/saludPublica/sanidadExterior/PNCOCA/PNCOCA_2021_2025.pdf

Results of investigations published in the Annual Report of MANCP are available at:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/informe_anual_pncoca.htm

<https://www.sanidad.gob.es/profesionales/saludPublica/sanidadExterior/pncoca.htm>

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/informe_anual_pncoca.htm

<https://www.sanidad.gob.es/profesionales/saludPublica/sanidadExterior/pncoca.htm>

36.2. Measures in place^(b)

The measures are carried out according to program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety

36.3. Notification system in place to the national competent authority^(c)

Yes. Please refer to Prevalence Tables

36.4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Detailed results of each Autonomous Community will be published by AESAN in the 2022 Zoonoses Data Analysis Report (Informe AESAN Análisis de Datos de Zoonosis 2022).

It will be available at:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/subseccion/vigilancia_zoonosis.htm

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/subseccion/vigilancia_zoonosis.htm

36.5. Additional information

The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

As a zoonotic agent or its toxin included in Regulation (UE) 2073/2005, this control is performed at all steps of the food chain and to all foodstuffs in compliance with the microbiological criteria laid down in the aforementioned Regulation.

Spanish legislation on VTEC in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents

*** For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent**

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, limit of detection of the method, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

37. Description of Monitoring/Surveillance/Control programmes system*: Histamine in foodstuff

37.1. Monitoring/Surveillance/Control programmes system^(a)

As the control of Histamine in fishery products with a high amount of histidine is in Regulation (EC) No 2073/2005, in Spain, it is undergone under the program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety, by regional health authorities performing official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety

MS, Spanish Ministry of Health, through the Sub-directorate for Foreign Health, is the central competent authority for the monitoring and reporting Histamina in imported food and responsible for the surveillance plan that annually carry out by the inspection staff at the BCP's

For more information on this plan, please refer to the following link:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm

https://www.sanidad.gob.es/profesionales/saludPublica/sanidadExterior/PNCOCA/PNCOCA_2021_2025.pdf

http://www.aecosan.msssi.gob.es/AECOSAN/docs/documentos/seguridad_alimentaria/pncoca/P1_1_Criterios_microbiolgicos.pdf

https://www.sanidad.gob.es/profesionales/saludPublica/sanidadExterior/PNCOCA/PNCOCA_2021_2025.pdf

Results of investigations published in the Annual Report of MANCP are available at:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/informe_anual_pncoca.htm

<https://www.sanidad.gob.es/profesionales/saludPublica/sanidadExterior/pncoca.htm>

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/informe_anual_pncoca.htm

<https://www.sanidad.gob.es/profesionales/saludPublica/sanidadExterior/pncoca.htm>

37.2. Measures in place^(b)

The measures are carried out according to program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety

37.3. Notification system in place to the national competent authority^(c)

Yes. Please refer to Prevalence Tables

37.4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Detailed results of each Autonomous Community will be published by AESAN in the 2022 Zoonoses Data Analysis Report (Informe AESAN Análisis de Datos de Zoonosis 2022).

It will be available at:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/subseccion/vigilancia_zoonosis.htm

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/subseccion/vigilancia_zoonosis.htm

37.5. Additional information

The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

As a zoonotic agent or its toxin included in Regulation (UE) 2073/2005, this control is performed at all steps of the food chain and to all foodstuffs required.

*** For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent**

- (a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, limit of detection of the method, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
- (b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
- (c): Mandatory: Yes/No.
- (d): Minimum five years.
- (e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

38. Description of Monitoring/Surveillance/Control programmes system*: Cronobacter in foodstuff

38.1. Monitoring/Surveillance/Control programmes system^(a)

As the control of Cronobacter in dried infant formulae and dried dietary foods is in Regulation (EC) No 2073/2005, in Spain, it is undergone under the program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety, by regional health authorities performing official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety

For more information on this plan, please refer to the following link:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm

http://www.aecosan.msssi.gob.es/AECOSAN/docs/documentos/seguridad_alimentaria/pncoca/P1_1_Criterios_microbiologicos.pdf

Results of investigations published in the Annual Report of MANCP are available at:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/informe_anual_pncoca.htm

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/informe_anual_pncoca.htm

38.2. Measures in place^(b)

The measures are carried out according to program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety

38.3. Notification system in place to the national competent authority^(c)

Yes. Please refer to Prevalence Tables

38.4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Detailed results of each Autonomous Community will be published by AESAN in the 2022 Zoonoses Data Analysis Report (Informe AESAN Análisis de Datos de Zoonosis 2022).

It will be available at:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/subseccion/vigilancia_zoonosis.htm

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/subseccion/vigilancia_zoonosis.htm

38.5. Additional information

The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

As a zoonotic agent or its toxin included in Regulation (UE) 2073/2005, this control is performed at all steps of the food chain and to all foodstuffs required.

*** For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status':
one text form reported per each combination of matrix/zoonoses or zoonotic agent**

- (a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, limit of detection of the method, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
- (b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
- (c): Mandatory: Yes/No.
- (d): Minimum five years.
- (e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

**39. Description of Monitoring/Surveillance/Control programmes system*:
Staphylococcal enterotoxins in foodstuff**

Spain

39.1. Monitoring/Surveillance/Control programmes system^(a)

As the control of Staphylococcal enterotoxins in cheeses, milk powder and whey powder is in Regulation (EC) No 2073/2005, in Spain, it is undergone under the program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety, by regional health authorities performing official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety

For more information on this plan, please refer to the following link:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm

http://www.aecosan.mssi.gob.es/AECOSAN/docs/documentos/seguridad_alimentaria/pncoca/P1_1_Criterios_microbiologicos.pdf

Results of investigations published in the Annual Report of MANCP are available at:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/informe_anual_pncoca.htm

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/informe_anual_pncoca.htm

39.2. Measures in place^(b)

The measures are carried out according to program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety

39.3. Notification system in place to the national competent authority^(c)

Yes. Please refer to Prevalence Tables

39.4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Detailed results of each Autonomous Community will be published by AESAN in the 2022 Zoonoses Data Analysis Report (Informe AESAN Análisis de Datos de Zoonosis 2022).

It will be available at:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/subseccion/vigilancia_zoonosis.htm

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/subseccion/vigilancia_zoonosis.htm

39.5. Additional information

The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

As a zoonotic agent or its toxin included in Regulation (UE) 2073/2005, this control is performed at all steps of the food chain and to all foodstuffs required.

*** For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status':
one text form reported per each combination of matrix/zoonoses or zoonotic agent**

- (a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, limit of detection of the method, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
- (b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
- (c): Mandatory: Yes/No.
- (d): Minimum five years.
- (e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

40. Description of Monitoring/Surveillance/Control programmes system*: Cisticercus spp.

40.1. Monitoring/Surveillance/Control programmes system^(a)

The control of *Cisticercus* is undergone at slaughterhouse by regional health authorities performing official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety.

40.2. Measures in place^(b)

Official controls performed by regional health authorities in every Autonomous Community.

40.3. Notification system in place to the national competent authority^(c)

Yes. Please refer to Prevalence Tables

40.4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Detailed results of each Autonomous Community will be published by AESAN in the 2022 Zoonoses Data Analysis Report (Informe AESAN Análisis de Datos de Zoonosis 2022).

It will be available at:

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/subseccion/vigilancia_zoonosis.htm

https://www.aesan.gob.es/AECOSAN/web/seguridad_alimentaria/subseccion/vigilancia_zoonosis.htm

40.5. Additional information

The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

Spanish legislation on *Cisticercus* in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents

* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, limit of detection of the method, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

41. Food-borne Outbreaks

41.1. System in place for identification, epidemiological investigations and reporting of food-borne outbreaks

The National Epidemiological Surveillance Network was created by Royal Decree 2210/1995, December 28th. The outbreak system is a basic system within this Network. The reporting of a summary of every investigated outbreak is mandatory. All the outbreaks must be reported immediately at the regional level. At national level it is mandatory to report immediately only those outbreaks which, by law, are defined as being supra-regional (considered to be of national interest), whereas the rest of the outbreaks have to be quarterly reported.

46.2. Description of the types of outbreaks covered by the reporting

The Spanish System covers all type of outbreaks (household, general and international outbreaks) and due to any agent (biological, chemical, etc.)

46.3. National evaluation of the reported outbreaks in the country^(a)

In 2022 a total of 591 food-borne outbreaks (producing 7136 cases) have been reported to the National Epidemiological Surveillance Network in Spain. The number of FBO reported has increased compared to previous years due to some extent to a higher coverage of the reporting (from all the Spanish Autonomous Regions except one) and that the epidemiological situation is returning to pre-pandemic time.

46.4. Descriptions of single outbreaks of special interest

Salmonella is the agent more frequently involved in foodborne outbreaks. The most frequent food item mentioned was eggs and eggs products.

46.5. Control measures or other actions taken to improve the situation

Outbreak investigations as well as necessary control measures are carried out by the health authorities of the regions. When the outbreak involved more than one Autonomous Region the coordination of the outbreak investigation is done at national level.

46.6. Any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation

46.7. Additional information

Information about places of food production and preparation is not available at national level.

(a): Trends in numbers of outbreaks and numbers of human cases involved, relevance of the different causative agents, food categories and the agent/food category combinations, relevance of the different type of places of food production and preparation in outbreaks, evaluation of the severity of the human cases.

MAPA, Spanish Ministry of Agriculture, Fish and Food, through the Sub directorate General for Animal Health, Hygiene and Traceability is the central competent authority for the monitoring and reporting AMR in primary production. The ACs are responsible for sampling.

AESAN, Spanish Agency of Food Safety and Nutrition, through the Sub-directorate General for Official Control and Alerts, is the central competent authority for the monitoring and reporting AMR in food.

MS, Spanish Ministry of Health, through the Sub-directorate for Foreign Health, is the central competent authority for the monitoring and AMR in isolated strains founded in imported food and responsible for the samples obtained from the BCP's.

The **Central Veterinary Laboratory (CVL)** of MAPA the National Reference Laboratories (NRLs) for AMR in primary production is involved in isolations and antimicrobial susceptibility testing (AST) of relevant isolates.

The **National Food Centre (CNA)** of AESAN the National Reference Laboratories (NRLs) for AMR in food is involved in antimicrobial susceptibility testing (AST) of relevant isolates.

The Public Health Laboratory (LSP) of the Autonomous Community of Valencia is involved in antimicrobial susceptibility testing of relevant isolated strains of *E.coli* for AMR in food.

The VISAVET Health Surveillance Centre is a centre for research support belonging to the Complutense University of Madrid and is involved in antimicrobial susceptibility testing of relevant isolated strains of *E.coli* and *Salmonella* for AMR in food. It is also involved in antimicrobial susceptibility testing of MRSA for AMR monitoring of isolates from broiler meat.

The National Centre of Microbiology (CNM) of Charles III Institute (Ministry of Science and Innovation) is involved in antimicrobial susceptibility testing of relevant isolated strains of *Salmonella* and *Campylobacter* from human samples.

Short description of the institutions and laboratories involved in data collection and reporting

47. General Antimicrobial Resistance Evaluation

47.1 Situation and epidemiological evolution (trends and sources) regarding AMR to critically important antimicrobials^(a) (CIAs) over time until recent situation

No clear, ascending or descending trend is observed. In Spain, resistance levels are generally high even for critical antibiotics.

47.2 Public health relevance of the findings on food-borne AMR in animals and foodstuffs

The high volume of antibiotics in food-producing animals contributes to the development of antimicrobial-resistant bacteria, particularly in intensive animal production. Antimicrobial-resistant infections in humans can cause longer illnesses, increased frequency of hospitalization, and treatment failures that can result in death. Some types of bacteria have already developed multiresistance, even the critical antibiotics are not available to treat these infections. For these reasons, this is a crucial problem we need to face in the coming years and more studies are necessary.

47.3 Recent actions taken to control AMR in food producing animals and food

- Royal Decree 191/2018, which establishes the electronic transmission of data of veterinary prescriptions of antibiotics for animals producing food for human consumption. The main objective of this RD is to obtain the necessary information to know which antibiotics are prescribed in livestock farms and to adopt the necessary measures on the use of antibiotics in veterinary medicine, if it is necessary.

- The animal production sector has made the commitment to reduce the consumption of antibiotics. In order to get that there were established some voluntary programs. It is especially important the "Agreement for Voluntary Reduction of Colistin Consumption in the Porcine Sector", which aims to:

- Reduce the consumption of colistin in swine production. The reduction will be established in sections, with the quantitative target of 5 mg / PCU in the maximum period of three years.

- To control the alternative consumption of antibiotics, avoiding the increase in the consumption of neomycin and / or apramycin as a possible substitution to colistin.

47.4 Any specific action decided in the Member State or suggestions to the European Union for actions to be taken against food-borne AMR threat

Write text here please

47.5 Additional information

Write text here please

(a): The CIAs depends on the bacterial species considered and the harmonised set of substances tested within the framework of the harmonised monitoring:

- For *Campylobacter* spp., macrolides (erythromycin) and fluoroquinolones (ciprofloxacin);
- For *Salmonella* and *E. coli*, 3rd and 4th generation cephalosporins (cefotaxime) and fluoroquinolones (ciprofloxacin) and colistin (polymyxin);

48. General Description of Antimicrobial Resistance Monitoring*; *Salmonella* spp. Poultry, unspecified

48.1 General description of sampling design and strategy^(a)

Sampling strategy used in monitoring

The *Salmonella* control programme in place in Spain. Antimicrobial resistance is a National control programme for monitoring AMR according to the Decision 2020/1729/EU on the monitoring and reporting of antimicrobial resistance in zoonotic and commensal bacteria.

In 2022 there were collected samples from each population of laying hens, broilers and fattening turkeys sampled in the framework of the national control programmes, established in accordance with Article 5(1) of Regulation (EC) No 2160/2003; they are sent to perform the antibiogram to the National reference Laboratory (Laboratorio Central de Veterinaria- LCV)

Frequency of the sampling

Periodically through the year to test 170 isolates for antimicrobial susceptibility testing.

Type of specimen taken

Laying hens: following point 2.2. of the Annex of Commission Regulation (EC) No 517/2011

Broilers: point 2 of the Annex of Commission Regulation (EC) No 200/2012 of 8 March 2012 implementing Regulation (EC) No 2160/2003 of the European Parliament and of the Council as regards a Community target for the reduction of the prevalence of *Salmonella* Enteritidis and *Salmonella* Typhimurium in broilers.

Turkeys: following points 1 and 2 of the Annex of Commission Regulation (EC) 1190/2012 as regards a Community target for the reduction of the prevalence of *Salmonella* Enteritidis and *Salmonella* Typhimurium in turkeys

Methods of sampling (description of sampling techniques)

Laying hens: following point 2.2. of the Annex of Commission Regulation (EC) No 517/2011.

Broilers: point 2 of the Annex of Commission Regulation (EC) No 200/2012 of 8 March 2012 implementing Regulation (EC) No 2160/2003 of the European Parliament and of the Council as regards a Community target for the reduction of the prevalence of *Salmonella* Enteritidis and *Salmonella* Typhimurium in broilers.

Turkeys: following points 1 and 2 of the Annex of Commission Regulation (EC) 1190/2012 as regards a Community target for the reduction of the prevalence of *Salmonella* Enteritidis and *Salmonella* Typhimurium in turkeys.

Procedures for the selection of isolates for antimicrobial testing

All the strains coming from the official control in the frame of *Salmonella* National Control Programmes (SNCP) are gathered by the NRL who selects for antimicrobial testing no more than one isolate per salmonella serovar from the same epidemiological unit.

After that, in order to reach 170 isolates for each population, a number of strains coming from business operators in the frame of SNCP are selected and requested by the NRL if needed. The selection is made by using an informatics application developed by MAPA and taking into account the even distribution of the strains.

Methods used for collecting data

Spain use an informatics application developed by the Ministry of Agriculture, Fisheries and Food, where the NRL introduce the data, which are sent to the mentioned Ministry and finally the results are sent to EFSA through the Data Collection Framework.

48.2. Stratification procedure per animal population and food category

There were collected samples from each population of laying hens, broilers and fattening turkeys sampled in the framework of the national control programmes, established in accordance with Article 5(1) of Regulation (EC) No 2160/2003; they are sent to perform the antibiogram to the National reference Laboratory (Laboratorio Central de Veterinaria- LCV).

48.3. Randomisation procedure per animal population and food category

All the strains coming from the official control in the frame of Salmonella National Control Programmes (SNCP) are gathered by the NRL who selects for antimicrobial testing no more than one isolate per salmonella serovar from the same epidemiological unit.

After that, in order to reach 170 isolates for each population, a number of strains coming from business operators in the frame of SNCP are selected and requested by the NRL if needed. The selection is made by using an informatics application developed by MAPA and taking into account the even distribution of the strains.

48.4. Analytical method used for detection and confirmation^(b)

Isolation and identification according to EN/ISO 6579-1.

48.5. Laboratory methodology used for detection of antimicrobial resistance^(c)

Antimicrobials included in monitoring

They are established in Decision 2020/1729/EC.

Amikacin, ampicillin, azithromycin, cefotaxime, ceftazidime, chloramphenicol, ciprofloxacin, colistin, gentamicin, meropenem, nalidixic acid, sulfamethoxazole, tetracycline, tigecycline, trimethoprim.

Cut-off values used in testing

The results of antibiotics are interpreted using the epidemiological cut-off values and concentration ranges given in Tables 1, 2 and 3 of Decision 2020/1729/ EU to determine the sensitivity of **Salmonella** spp. and **E. coli**. Dilutions are performed according to the methods described by the European Committee on Antimicrobial Susceptibility Testing (Eucast) and the Clinical and Laboratory Standards Institute (CLSI), accepted as an international reference method (ISO 20776-1: 2006) .EN 14.11.2013 Official Journal of the European Union L 303/33.

48.6. Library preparation used

Write text here please

48.7. Version of the predictive tool

Write text here please

48.8. Results of investigation

Sent through DCF

48.9. Additional information

* to be filled in per combination of bacterial species/matrix

- (a): Method of sampling (description of sampling technique: stage of sampling, type of sample, sampler), Frequency of sampling, Procedure of selection of isolates for susceptibility testing, Method used for collecting data.
- (b): Analytical method used for detection and confirmation: according to the legislation, the protocols developed by the EURL-AR should be used and reported here. In the case of the voluntary specific monitoring on Carbapenemase-producers, the selective media used (commercial plates, 'in house' media) should be also reported here. In general, any variation with regard to the EURL-AR protocols should be stated here, number of isolates isolated per sample, in particular for *Campylobacter* spp..
- (c): Antimicrobials included, Cut-off values

50. General Description of Antimicrobial Resistance Monitoring*; *Salmonella* spp. in fresh broiler meat

51.1 General description of sampling design and strategy

In 2022, samples from 21 consignments of fresh meat from broilers were collected at BCP's. Most of these consignments were divided in different batches, so the total number of meat samples collected was 46 meat samples.

These 46 samples were taking from fresh meat from broilers (*Gallus gallus*) and were sent to the VISAVET Health Surveillance Centre in order to perform isolation, identification and antibiogram analysis.

From these meat samples, we retrieved a total number of 12 *Salmonella* isolates.

8 of them were identified as presumptive AmpC-ESBL producers.

Due to a problem with the reactive needed for the serotyping 7 of the isolates, had not been properly identified at serovar level.

Sampling strategy used in monitoring

In 2022, 46 random samples from fresh meat from broilers (*Gallus gallus*) were taking in the Border Control Points. Sampling was distributed along the year.

These samples were sent to VISAVET Health Surveillance Centre in order to perform the isolation, identification and the antibiogram analysis.

Frequency of the sampling

Periodically through the year, taking into account the minimum sampling frequency established 3 % in the Decision 202/1729/EU.

Type of specimen taken

Fresh meat from broilers (*Gallus gallus*) at BCPs.

51.

Campylobacter spp. Fattening turkeys

50.1 General description of sampling design and strategy^(a)

Sampling strategy used in monitoring

The control programme in place in Spain for monitoring of *Campylobacter* spp. Antimicrobial resistance is a National control programme for monitoring AMR according to the Decision 2021/1729/652/EU on the monitoring and reporting of antimicrobial resistance in zoonotic and comensal bacteria.

In 2022 there were collected caecal samples gathered at slaughterhouses from fattening turkeys, because the production of turkey meat in Spain is more than 10 000 tonnes slaughtered per year. The ACs took samples of caecum of fattening turkeys in slaughterhouses. The samples were sent to the National reference Laboratory (Laboratorio Central de Veterinaria- LCV) in order to isolate, identify and perform the antibiogram.

Frequency of the sampling

566 samples in 2022, distributed in weekly samplings throughout the year and the different slaughterhouses throughout the country.

Type of specimen taken

According to the Commission Implementing Decisions 2021/1729/EU and Technical specifications, the type of samples taken are caecal samples from fattening turkeys gathered at slaughterhouses.

Methods of sampling (description of sampling techniques)

In 2022 sampling was carried out at 7 slaughterhouses processing 82,77 % of fattening turkeys in Spain, starting with the slaughterhouses of largest throughput. Sampling is distributed monthly and the day of sampling is selected randomly.

Procedures for the selection of isolates for antimicrobial testing

154 isolates of *C. coli* and 244 of *C. jejuni* were detected and performed the AST.

Methods used for collecting data

Spain use an informatics application developed by the Ministry of Agriculture, Fisheries and Food, where the NRL introduce the data, which are sent to the mentioned Ministry and finally the results are sent to EFSA through the Data Collection Framework.

50.2 Stratification procedure per animal population and food category

Previous to start the sampling, a selection of industrial slaughterhouses has been carried out. The criteria for the selection of establishments are based on the production level of the slaughterhouses in relation to the national production and their geographical situation. This way, we select the slaughterhouse processing at least 60 % of production in Spain, starting with the slaughterhouses of largest throughput.

51.3. Randomisation procedure per animal population and food category

Sampling are proportionally distributed according to the volume of production of each slaughterhouse. Sampling is distributed monthly and the day of sampling is selected randomly. The epidemiological unit considered refers to the group of animals coming from the same farm slaughtered at the same time, this guaranteed that the isolates in the study are not epidemiologically related.

51.4. Analytical method used for detection and confirmation^(b)

A sterile swab with the faeces samples is used to inoculate into an agar plate mCCDA (Oxoid). The plates are incubated in microaerophilic at 42° for 48 hours. Identification by PCR

51.5. Laboratory methodology used for detection of antimicrobial resistance^(C)

Antimicrobials included in monitoring

Established in Decision 2020/1729/EU

Chloramphenicol, ciprofloxacin, ertapenem, erythromycin, gentamicin, tetracycline

Cut-off values used in testing

The results of antibiotics are interpreted using the epidemiological cut-off values and concentration ranges given in Table 3 of Decision 2020/1729/ EU to determine the sensitivity of *Campylobacter* spp. Dilutions are performed according to the methods described by the European Committee on Antimicrobial Susceptibility Testing (Eucast) and the Clinical and Laboratory Standards Institute (CLSI), accepted as an international reference method (ISO 20776-1: 2006) .EN 14.11.2013 Official Journal of the European Union L 303/33.

51.6. Library preparation used

Write text here please

51.7. Version of the predictive tool

Write text here please

51.8. Results of investigation

Sent through DCF

51.9. Additional information

*** to be filled in per combination of bacterial species/matrix**

- (a): Method of sampling (description of sampling technique: stage of sampling, type of sample, sampler), Frequency of sampling, Procedure of selection of isolates for susceptibility testing, Method used for collecting data.
- (b): Analytical method used for detection and confirmation: according to the legislation, the protocols developed by the EURL-AR should be used and reported here. In the case of the voluntary specific monitoring on Carbapenemase-producers, the selective media used (commercial plates, 'in house' media) should be also reported here. In general, any variation with regard to the EURL-AR protocols should be stated here, number of isolates isolated per sample, in particular for *Campylobacter* spp..
- (c): Antimicrobials included, Cut-off values

52.

Campylobacter spp. Broilers

51.1 General description of sampling design and strategy^(a)

Sampling strategy used in monitoring

The control programme in place in Spain for monitoring of *Campylobacter* spp. Antimicrobial resistance is a National control programme for monitoring AMR according to the Decision 2020/1729/EU on the monitoring and reporting of antimicrobial resistance in zoonotic and commensal bacteria.

In 2022 several caecal samples from broilers were gathered at slaughterhouses. The ACs took samples of caecum of broilers in slaughterhouses and they send them to the National reference Laboratory (Laboratorio Central de Veterinaria- LCV) to perform the isolation, identification and perform the antibiogram.

Frequency of the sampling

564 samples in 2022, distributed in weekly samplings throughout the year and the different slaughterhouses throughout the country.

Type of specimen taken

According to the Commission Implementing Decisions 2020/1729/EU and Technical specifications, type of samples taken are caecal samples gathered at slaughter from broilers.

Methods of sampling (description of sampling techniques)

In 2022 sampling was carried out at 21 slaughterhouses processing 65,3% of broilers in Spain, starting with the slaughterhouses of largest throughput. Sampling is distributed monthly and the day of sampling is selected randomly.

Procedures for the selection of isolates for antimicrobial testing

224 *C. jejuni* and 85 *C. Coli* were detected from samples selected randomly, to get an even distribution over the year, and they were sent for antimicrobial testing.

Methods used for collecting data

Spain use an informatics application developed by the Ministry of Agriculture, Fisheries and Food, where the NRL introduce the data, which are sent to the mentioned Ministry and finally the results are sent to EFSA through the Data Collection Framework.

51.2 Stratification procedure per animal population and food category

Previous to start the sampling, A selection of industrial slaughterhouses has been carried out. The criteria for the selection of establishments are based on the production level of the slaughterhouses in relation to the national production and their geographical situation. This way, we select the slaughterhouse processing at least 60 % of production in Spain, starting with the slaughterhouses of largest throughput.

52.3. Randomisation procedure per animal population and food category

Sampling are proportionally distributed according to the volume of production of each slaughterhouse. Sampling is distributed monthly and the day of sampling is selected randomly. The epidemiological unit is considered the group of animals coming from the same farm slaughtered at the same time, this guaranteed that the isolates in the study are not epidemiologically related.

52.4. Analytical method used for detection and confirmation^(b)

A sterile swab with the faeces samples is used to inoculate into an agar plate mCCDA (Oxoid). The plates are incubated in microaerophilic at 42° for 48 hours.
Identification by PCR

52.5. Laboratory methodology used for detection of antimicrobial resistance^(c)

Antimicrobials included in monitoring

Established in Decision 2020/1729/EU

Chloramphenicol, ciprofloxacin, ertapenem, erythromycin, gentamicin, tetracycline

Cut-off values used in testing

The results of antibiotics are interpreted using the epidemiological cut-off values and concentration ranges given in Table 2 of Decision 20120/1729 / EU to determine the sensitivity of *Campylobacter* spp. Dilutions are performed according to the methods described by the European Committee on Antimicrobial Susceptibility Testing (Eucast) and the Clinical and Laboratory Standards Institute (CLSI), accepted as an international reference method (ISO 20776-1: 2006) .EN 14.11.2013 Official Journal of the European Union L 303/33.

52.6. Library preparation used

Write text here please

52.7. Version of the predictive tool

Write text here please

52.8. Results of investigation

Sent through DCF

52.9. Additional information

*** to be filled in per combination of bacterial species/matrix**

- (a): Method of sampling (description of sampling technique: stage of sampling, type of sample, sampler), Frequency of sampling, Procedure of selection of isolates for susceptibility testing, Method used for collecting data.
- (b): Analytical method used for detection and confirmation: according to the legislation, the protocols developed by the EURL-AR should be used and reported here. In the case of the voluntary specific monitoring on Carbapenemase-producers, the selective media used (commercial plates, 'in house' media) should be also reported here. In general, any variation with regard to the EURL-AR protocols should be stated here, number of isolates isolated per sample, in particular for *Campylobacter* spp..
- (c): Antimicrobials included, Cut-off values

53. General Description of Antimicrobial Resistance Monitoring*; *Escherichia coli* non-pathogenic Fattening turkeys

52.1 General description of sampling design and strategy^(a)

Sampling strategy used in monitoring:

The control programme in place in Spain for monitoring of *Escherichia coli*, non-pathogenic Antimicrobial resistance is a National control programme for monitoring AMR according to the Decision 2020/1729/EU on the monitoring and reporting of antimicrobial resistance in zoonotic and comensal bacteria.

In 2022 several caecal samples from fattening turkeys were gathered at slaughterhouses because the production of turkey meat in Spain is more than 10 000 tonnes slaughtered per year. **The ACs** took samples of caecum of fattening turkeys in slaughterhouses and they sent them to the National reference Laboratory (Laboratorio Central de Veterinaria- LCV) in order to perform the isolation, identification and the antibiogram.

Sampling frequency:

550 samples per year for ESBL-, AmpC- and carbapenemase-producing Escherichia coli and 550 samples per year for indicator commensal E. coli, distributed in weekly samplings throughout the year and the different slaughterhouses throughout the country.

Type of specimen taken:

According to the Commission Implementing Decisions 2020/1729EU and Technical specifications, type of samples taken are caecal samples gathered at slaughter from fattening turkeys.

Type of sampling/Method of Sampling:

Sampling is proportionally distributed according to the volume of production of each slaughterhouse is carried out at 7 slaughterhouses processing 82,77% of fattening turkeys in Spain, starting with the slaughterhouses of largest throughput. Sampling is distributed monthly and the day of sampling is selected randomly.

Procedures for the selection of isolates for the antimicrobial test:

170 strains of the 565 isolates of indicator commensal E. coli were selected randomly, to get an even distribution over the year, to AST.

In 2022 566 samples were tested for ESBL-, AmpC- and carbapenemase-producing Escherichia coli, but only the positive ones are sent to EFSA through DCF.

Methods used for data collection:

Spain use an informatic application developed by the Ministry of Agriculture, Fisheries and Food where the NRL introduce the data, which are sent to the mentioned Ministry and finally the results are sent to EFSA by the Data Collection Framework.

52.2 Stratification procedure per animal population and food category

Previous to start the sampling, A selection of industrial slaughterhouses has been carried out. The criteria for the selection of establishments are based on the production level of the slaughterhouses in relation to the national production and their geographical situation. This way, we select the slaughterhouse processing 60 % of production in Spain, starting with the slaughterhouses of largest throughput.

53.3. Randomisation procedure per animal population and food category

Sampling are proportionally distributed according to the volume of production of each slaughterhouse. Sampling is distributed monthly and the day of sampling is selected randomly. The epidemiological unit is considered the group of animals coming from the same farm slaughtered at the same time, this guaranteed that the isolates in the study are not epidemiologically related.

53.4. Analytical method used for detection and confirmation^(b)

Inoculation of Agar McConkey and incubation at 37°C during 18-20h.
Identification by PCR

53.5. Laboratory methodology used for detection of antimicrobial resistance^(c)

Antimicrobials included in monitoring:

They are established in Decision 2020/1729/EC.

Amikacin, ampicillin, azithromycin, cefotaxime, ceftazidime, chloramphenicol, ciprofloxacin, colistin, gentamicin, meropenem, nalidixic acid, sulfamethoxazole, tetracycline, tigecycline, trimethoprim.

Cut-off values used in testing:

The results of antibiotics are interpreted using the epidemiological cut-off values and concentration ranges given in Tables 1, 2 and 3 of Decision 2020/1729 / EU to determine the sensitivity of **Salmonella** spp. and **E. coli**. Dilutions are performed according to the methods described by the European Committee on Antimicrobial Susceptibility Testing (Eucast) and the Clinical and Laboratory Standards Institute (CLSI), accepted as an international reference method (ISO 20776-1: 2006) .EN 14.11.2013 Official Journal of the European Union L 303/33.

53.6. Library preparation used

Write text here please

53.7. Version of the predictive tool

Write text here please

53.8. Results of investigation

Sent through DCF

53.9. Additional information

* to be filled in per combination of bacterial species/matrix

- (a): Method of sampling (description of sampling technique: stage of sampling, type of sample, sampler), Frequency of sampling, Procedure of selection of isolates for susceptibility testing, Method used for collecting data.
- (b): Analytical method used for detection and confirmation: according to the legislation, the protocols developed by the EURL-AR should be used and reported here. In the case of the voluntary specific monitoring on Carbapenemase-producers, the selective media used (commercial plates, 'in house' media) should be also reported here. In general, any variation with regard to the EURL-AR protocols should be stated here, number of isolates isolated per sample, in particular for *Campylobacter* spp..
- (c): Antimicrobials included, Cut-off values

54. General Description of Antimicrobial Resistance Monitoring*; *Escherichia coli* non-pathogenic Broilers

53.1 General description of sampling design and strategy^(a)

Sampling strategy used in monitoring:

The control programme in place in Spain for monitoring of *Escherichia coli*, non-pathogenic Antimicrobial resistance is a National control programme for monitoring AMR according to the Decision 2020/1729/EU on the monitoring and reporting of antimicrobial resistance in zoonotic and comensal bacteria.

In 2022 several caecal samples from broilers were gathered at slaughterhouses. The ACs took samples of caecum of broilers in slaughterhouses and they sent them to the National reference Laboratory

(Laboratorio Central de Veterinaria- LCV) in order to perform the isolation, identification, and the antibiogram.

Sampling frequency:

550 samples per year for ESBL-, AmpC- and carbapenemase-producing *Escherichia coli* and 550 samples per year for indicator commensal *E. coli*, distributed in weekly samplings throughout the year and the different slaughterhouses throughout the country.

Type of specimen taken:

According to the Commission Implementing Decisions 2020/1729/EU and Technical specifications, type of samples taken are caecal samples gathered at slaughter from broilers.

Method of Sampling:

Sampling are proportionally distributed according to the volume of production of each slaughterhouse is carried out at 21 slaughterhouses processing 65,30 % of broilers in Spain, starting with the slaughterhouses of largest throughput. Sampling is distributed monthly and the day of sampling is selected randomly.

Procedures for the selection of isolates for the antimicrobial test:

170 strains of the 564 isolated indicator commensal *E. coli* were selected randomly, to get an even distribution over the year, to AST.

In 2022, 564 samples were tested for ESBL-, AmpC- and carbapenemase-producing *Escherichia coli* but only the positive ones were sent through DCF.

Methods used for data collection:

Spain use an informatic application developed by the Ministry of Agriculture, Fisheries and Food, where the NRL introduce the data, which are sent to the mentioned Ministry and finally the results are sent to EFSA through the Data Collection Framework.

53.2 Stratification procedure per animal population and food category

Previous to start the sampling, A selection of industrial slaughterhouses has been carried out. The criteria for the selection of establishments are based on the production level of the slaughterhouses in relation to the national production and their geographical situation. This way, we select the slaughterhouse processing 60 % of production in Spain, starting with the slaughterhouses of largest throughput.

54.3. Randomisation procedure per animal population and food category

Sampling are proportionally distributed according to the volume of production of each slaughterhouse. Sampling is distributed monthly and the day of sampling is selected randomly. The epidemiological unit is considered the group of animals coming from the same farm slaughtered at the same time, this guaranteed that the isolates in the study are not epidemiologically related.

54.4. Analytical method used for detection and confirmation^(b)

Inoculation of Agar McConkey and incubation at 37°C during 18-20h.
Identification by PCR

54.5. Laboratory methodology used for detection of antimicrobial resistance^(c)

Antimicrobials included in monitoring:

They are established in Decision 2020/1729/EC.

Amikacin, ampicillin, azithromycin, cefotaxime, ceftazidime, chloramphenicol, ciprofloxacin, colistin, gentamicin, meropenem, nalidixic acid, sulfamethoxazole, tetracycline, tigecycline, trimethoprim.

Cut-off values used in testing:

The results of antibiotics are interpreted using the epidemiological cut-off values and concentration ranges given in Tables 1, 2 and 3 of Decision 2020/1729 / EU to determine the sensitivity of **Salmonella** spp. and **E. coli**. Dilutions are performed according to the methods described by the European Committee on Antimicrobial Susceptibility Testing (Eucast) and the Clinical and Laboratory Standards Institute (CLSI), accepted as an international reference method (ISO 20776-1: 2006) .EN 14.11.2013 Official Journal of the European Union L 303/33.

54.6. Library preparation used

Write text here please

54.7. Version of the predictive tool

Write text here please

54.8. Results of investigation

Sent through DCF

54.9. Additional information

*** to be filled in per combination of bacterial species/matrix**

- (a): Method of sampling (description of sampling technique: stage of sampling, type of sample, sampler), Frequency of sampling, Procedure of selection of isolates for susceptibility testing, Method used for collecting data.
- (b): Analytical method used for detection and confirmation: according to the legislation, the protocols developed by the EURL-AR should be used and reported here. In the case of the voluntary specific monitoring on Carbapenemase-producers, the selective media used (commercial plates, 'in house' media) should be also reported here. In general, any variation with regard to the EURL-AR protocols should be stated here, number of isolates isolated per sample, in particular for *Campylobacter* spp..
- (c): Antimicrobials included, Cut-off values

55. General Description of Antimicrobial Resistance Monitoring*; Escherichia coli, non-pathogenic in fresh broiler meat

54.1 General description of sampling design and strategy^(a)

Sampling strategy used in monitoring:

The control programme in place in Spain for monitoring of E.coli Antimicrobial resistance is a National control programme. Sampling is mandatory for the Regional Authorities and voluntary for food business operators.

Regional Authorities have collected samples of fresh bovine meat at retail and have sent them to the National reference Laboratory (Centro Nacional de Alimentación- CNA) for monitoring AMR according to the Decision 2020/1729/EU on the monitoring and reporting of antimicrobial resistance in zoonotic and commensal bacteria.

The Autonomous Community of Valencia has collected samples of fresh broiler meat from retail and sent them for analysis to its reference laboratory (the Public Health Laboratory (LSP) for the monitoring of

antimicrobial resistance according to Decision 2020/1729/EU on the surveillance and notification of antimicrobial resistance in zoonotic and commensal bacteria

The Ministry of Health, through Subdirectorate of Foreign Health, has collected 46 samples of meat at different BCP's, and has sent them to be analysed to its designated official laboratory VISAVET, for monitoring AMR according to the Decision 2020/1729/EU on the monitoring and reporting of antimicrobial resistance in zoonotic and commensal bacteria.

The activities are made pursuant to Regulation (EC) no 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs must be established at all stages of production, processing and distribution). To this end, business operators are required to apply appropriate systems and procedures.

Sampling frequency:

265 samples per year, distributed in weekly samplings throughout the year and the different regions throughout the country. 141 strains of E.coli were isolated by CNA from fresh broiler meat.

The Autonomous Community of Valencia collected samples of fresh meat evenly distributed throughout the year for analysis. Of the 35 broilers fresh meat samples received, beta-lactamase-producing E coli was detected in 19 of them.

In BCP, periodically sampling frequency through the year, taking into account the minimum sampling frequency established 3 % in the Decision 202/1729/EU. A total of 45 food samples have been tested this year for antimicrobial susceptibility, including ESBL-, AmpC- and carbapenemase-producing Escherichia coli and indicator commensal E. coli.

In 2022, samples from 21 consignments of fresh meat from broilers were collected at BCP's. Most of these consignments were divided in different batches, so the total number meat samples collected was 46 fresh meat samples from broilers.

From these 46 food samples, indicator commensal E. coli, was isolated in 32 of them. From these 32 indicator commensal E.coli isolates, phenotypes compatible with ESBL-, AmpC-producing E.Coli were detected in 10 of them.

From these 46 food samples, 39 presumptive ESBL-, AmpC- and carbapenemase-producing Escherichia coli strains were detected and isolated.

Type of specimen taken:

According to the Commission Implementing Decision 2020/1729 and Technical specifications, the type of sample taken is fresh meat from broilers

Type of sampling:

Food sample meat, prospective sampling.
Fresh meat from broilers (*Gallus gallus*) at BCPs.

Sampling method:

Samples are taken randomly at retail in a selected number of Autonomous Communities according to an established schedule and technical procedure.

In the Autonomous Community of Valencia, fresh meat (not frozen) packaged and exposed for sale to the consumer at retail level, with a minimum weight of 100g has been sampled. Subsequently, the samples have been introduced into a secondary container to protect them individually. One sample is taken per batch and with a sufficient expiration date to guarantee the analysis time.

Samples were taken randomly at BCP's according to an established frequency and technical procedure.

Procedures for the selection of isolates for the antimicrobial test:

Inoculate one loop-full (10 µl loop) of the overnight culture (BPW) by applying a single streak onto a MacConkey agar plate containing 1 mg/L cefotaxime (CTX) and inoculating one loopful (10 µl loop) of the incubated pre-enrichment culture in BPW onto suitable selective agars for the isolation of presumptive carbapenemase producing *E.coli*. Reference PROTOCOL for selective isolation of presumptive ESBL-, AmpC- and carbapenemase-producing *Escherichia coli* from fresh meat Version 7 (December 2019)

Methods used for data collection:

AESAN uses two different ways for transmitting AMR data to Data Collection Framework:

- a computer application developed by MAPA, where CNA (AESAN's NRL) introduces AMR data and have been technically revised and transmitted as XML by AESAN.
- the provided AMR Excel-Tool fulfilled by the Autonomous Community of Valencia which have been technically revised and transmitted as XML by AESAN. **All the data of the fresh meat samples that are taken at the time of collection are recorded, and all the data of the analysis during the processing of the sample are recorded in the laboratory.**

MS uses the Excel Tool provided by EFSA for reporting AMR data from BCP's

54.2 Stratification procedure per animal population and food category

The criteria for the selection of the autonomous communities to collect the samples are based on population stratum (nuts-3 area): provincial level. It is carried out in the provinces (nuts) that cover at least 80% of the national population.

Distribution of samples: Samples are proportionally distributed among the 25 most populated provinces (total more than 80% of the population of Spain) belonging to Autonomous Communities.

Predominant establishment category: establishments which supplies at least 80% of the market for these products. In this case it is the supermarket.

The established selection criteria by the Autonomous Community of Valencia in order to assign the number of samples depends on the production volume of each establishment, on the number of strains willing to isolate and on the prevalence.

The criteria followed by the Ministry of Health ensured a homogeneous distribution of samples under time, following the frequency recommendations of the Commission. In addition, it provided a stratified sampling without pre-selecting samples by its origin.

55.3. Randomisation procedure per animal population and food category

Epidemiological unit: product batch. It can be taken up to 5 different lots of the same product in one visit to the establishment.

The competent Authorities of the Autonomous Communities take samples of fresh broiler meat at retail trade and the CNA (NRL) isolates *E.coli* strains and performs the antibiogram.

In the Autonomous Community of Valencia the sample collection has been distributed in the corresponding provinces within the region gathering the main establishments.

The BCP's Inspection Services under the coordination of the Ministry of Health take samples of imported fresh broilers meat at BCP level and the VISAVET Laboratory performs the isolation of *E.Coli* strains and the antibiogram. Sampling was distributed randomly along the year.

55.4. Analytical method used for detection and confirmation^(b)

Laboratory methodology:

- Isolation of ESBL-, AmpC- and carbapenemase-producing *Escherichia coli* from fresh meat Version 7 (December 2019).
- Biochemical probes for the detection and confirmation of isolated strains of presumptive ESBL, AmpC and carbapenemase producing *E.coli*

Antimicrobial Sensitivity Test by microdilution for the phenotypical characterization of resistance based on ISO 20776.

NRL, Centro Nacional de Alimentación (CNA), VISAVET and LSP.

55.5. Laboratory methodology used for detection of antimicrobial resistance^(c)

Antimicrobials included in monitoring:

Amikacin, ampicillin, azithromycin, cefotaxim, ceftazidim, chloramphenicol, ciprofloxacin, colistin, gentamicin, meropenem, nalidixic acid, sulfamethoxazole, tetracycline, tigecycline, trimethoprim, cefepime, ceftazidime, ertapenem, imipenem, temocilin, cefotaxime/clavulanic acid and ceftazidime/clavulanic acid.

Cut-off values used in testing:

The results of antibiotics are interpreted using the epidemiological cut-off values and concentration ranges given in Decision 2020/1729EU to determine the sensitivity of *E. coli*. Dilutions are performed according to the methods described by the European Committee on Antimicrobial Susceptibility Testing (EUCAST) and the Clinical and Laboratory Standards Institute (CLSI), accepted as an international reference method (ISO 20776-1: 2019). EN 14.11.2013 Official Journal of the European Union L 303/33.

55.6. Library preparation used

Write text here please

55.7. Version of the predictive tool

Write text here please

55.8. Results of investigation

Sent through DCF

55.9. Additional information

Control programs / strategies put in place:

Spain has developed a National Action Plan (PRAN) to prevent and monitor antimicrobial resistance.

For more information please refer to:

<http://www.resistenciaantibioticos.es/es>

56. General Description of Antimicrobial Resistance Monitoring*; *Escherichia coli*, non-pathogenic in fresh turkey meat

55.1 General description of sampling design and strategy^(a)

Sampling strategy used in monitoring:

The control programme in place in Spain for monitoring of E.coli Antimicrobial resistance is a National control programme. Sampling is mandatory for the Regional Authorities and voluntary for food business operators.

Regional Authorities have collected samples of fresh pig meat at retail and have sent them to the National reference Laboratory (Centro Nacional de Alimentación- CNA) for monitoring AMR according to the Decision 2020/1729/EU on the monitoring and reporting of antimicrobial resistance in zoonotic and commensal bacteria.

The Autonomous Community of Valencia has collected samples of fresh turkey meat from retail and sent them for analysis to its reference laboratory (the Public Health Laboratory (LSP) for the monitoring of antimicrobial resistance according to Decision 2020/1729/EU on the surveillance and notification of antimicrobial resistance in zoonotic and commensal bacteria.

The Ministry of Health, through Subdirectorate of Foreign Health, could not take any sample of fresh meat from turkeys at BCP's level due to a lack of consignments. Zero samples were sent to be analysed to its designated official laboratory VISAVET, for monitoring AMR according to the Decision 2020/1729/EU on the monitoring and reporting of antimicrobial resistance in zoonotic and commensal bacteria.

The activities are made pursuant to Regulation (EC) no 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs must be established at all stages of production, processing and distribution). To this end, business operators are required to apply appropriate systems and procedures.

Sampling frequency:

133 samples per year, distributed in weekly samplings throughout the year and the different regions throughout the country. 85 strains of E.coli were isolated by CNA from fresh turkey meat.

The Autonomous Community of Valencia collected samples of fresh meat evenly distributed throughout the year for analysis. Of the 17 turkey fresh meat samples received, beta-lactamase-producing E coli was detected in 11 of them.

According to the Commission Implementing Decision 2020/1729 and Technical specifications, the frequency of sampling in BCP's for fresh turkey meat was fixed in approximately 10%.

Although, due to the lack of enough imported fresh turkey meat susceptible for analysis, no samples were taking in 2022.

Type of specimen taken:

According to the Commission Implementing Decisions 2020/1729 and Technical specifications, the type of sample taken is fresh meat.

Type of sampling:

Food sample meat, prospective sampling

Sampling method:

Samples are taken randomly at retail in a selected number of Autonomous Communities according to an established schedule and technical procedure.

In the Autonomous Community of Valencia, fresh meat (not frozen) packaged and exposed for sale to the consumer at retail level, with a minimum weight of 100g has been sampled. Subsequently, the samples have been introduced into a secondary container to protect them

individually. One sample is taken per batch and with a sufficient expiration date to guarantee the analysis time.

Procedures for the selection of isolates for the antimicrobial test:

Inoculate one loop-full (10 µl loop) of the overnight culture (BPW) by applying a single streak onto a MacConkey agar plate containing 1 mg/L cefotaxime (CTX) and inoculating one loopful (10 µl loop) of the incubated preenrichment culture in BPW onto suitable selective agars for the isolation of presumptive carbapenemase producing E.coli. Reference PROTOCOL for selective isolation of presumptive ESBL-, AmpC- and carbapenemase-producing *Escherichia coli* from fresh meat Version 7 (December 2019).

Methods used for data collection:

AESAN uses two different ways for transmitting AMR data to Data Collection Framework:

- a computer application developed by MAPA, where CNA (AESAN's NRL) introduces AMR data and have been technically revised and transmitted as XML by AESAN.
- the provided AMR Excel-Tool fulfilled by the Autonomous Community of Valencia which have been technically revised and transmitted as XML by AESAN. All the data of the fresh meat samples that are taken at the time of collection are recorded, and all the data of the analysis during the processing of the sample are recorded in the laboratory.

MS uses the Excel Tool provided by EFSA for reporting AMR data from BCP's

55.2 Stratification procedure per animal population and food category

The criteria for the selection of the autonomous communities to collect the samples are based on population stratum (nuts-3 area): provincial level. It is carried out in the provinces (nuts) that cover at least 80% of the national population.

Distribution of samples: Samples are proportionally distributed among the 25 most populated provinces (total more than 80% of the population of Spain) belonging to Autonomous Communities.

Predominant establishment category: establishments which supplies at least 80% of the market for these products. In this case it is the supermarket.

The established selection criteria by the Autonomous Community of Valencia in order to assign the number of samples depends on the production volume of each establishment, on the number of strains willing to isolate and on the prevalence.

The criteria followed by the Ministry of Health, provided a stratified sampling without pre-selecting samples by its origin.

56.3. Randomisation procedure per animal population and food category

Epidemiological unit: product batch. It can be taken up to 5 different lots of the same product in one visit to the establishment.

The competent Authorities of the Autonomous Communities take samples of fresh turkey meat at retail trade and the CNA (NRL) isolates E.coli strains and performs the antibiogram.

In the Autonomous Community of Valencia the sample collection has been distributed in the corresponding provinces within the region gathering the main establishments.

The BCP's Services under the coordination of the Ministry of Health take samples of imported fresh pig meat at BCP level and the VISAVET Laboratory performs the isolation of E.Coli strains and the antibiogram.

56.4. Analytical method used for detection and confirmation^(b)

Laboratory methodology:

- Isolation of ESBL-, AmpC- and carbapenemase-producing *Escherichia coli* from fresh meat Version 7 (December 2019).
- Biochemical probes for the detection and confirmation of isolated strains of presumptive ESBL, AmpC and carbapenemase producing *E.coli*

Antimicrobial Sensitivity Test by microdilution for the phenotypical characterization of resistance based on ISO 20776.

NRL, Centro Nacional de Alimentación (CNA), VISAVET and LSP.

56.5. Laboratory methodology used for detection of antimicrobial resistance^(c)

Antimicrobials included in monitoring:

Amikacin, ampicillin, azithromycin, cefotaxim, ceftazidim, chloramphenicol, ciprofloxacin, colistin, gentamicin, meropenem, nalidixic acid, sulfamethoxazole, tetracycline, tigecycline, trimethoprim, cefepime, ceftazidime, ertapenem, imipenem, temocilin, cefotaxime/clavulanic acid and ceftazidime/clavulanic acid.

Cut-off values used in testing:

The results of antibiotics are interpreted using the epidemiological cut-off values and concentration ranges given in the Decision 2020/1729 EU to determine the sensitivity of *E. coli*. Dilutions are performed according to the methods described by the European Committee on Antimicrobial Susceptibility Testing (EUCAST) and the Clinical and Laboratory Standards Institute (CLSI), accepted as an international reference method (ISO 20776-1: 2019) .EN 14.11.2013 Official Journal of the European Union L 303/33.

56.6. Library preparation used

Write text here please

56.7. Version of the predictive tool

Write text here please

56.8. Results of investigation

Sent through DCF

56.9. Additional information

Control programs / strategies put in place:

Spain has developed a National Action Plan (PRAN) to prevent and monitor antimicrobial resistance.

For more information please refer to:

<http://www.resistenciaantibioticos.es/es>

*** to be filled in per combination of bacterial species/matrix**

- (a): Method of sampling (description of sampling technique: stage of sampling, type of sample, sampler), Frequency of sampling, Procedure of selection of isolates for susceptibility testing, Method used for collecting data.
- (b): Analytical method used for detection and confirmation: according to the legislation, the protocols developed by the EURL-AR should be used and reported here. In the case of the voluntary specific monitoring on Carbapenemase-producers, the selective media used (commercial plates, 'in house' media) should be also reported here. In general, any variation with regard to the EURL-AR protocols should be stated here, number of isolates isolated per sample, in particular for *Campylobacter* spp..
- (c): Antimicrobials included, Cut-off values

57. General Description of Antimicrobial Resistance Monitoring*; MRSA

56.1. General description of sampling design and strategy

Sampling strategy used in monitoring:

The Autonomous Community of Madrid has collected samples of broiler fresh meat at retail and has sent them to be serotyped to the VISAVET laboratory for monitoring MRSA.

Sampling frequency:

The Autonomous Community of Madrid collected samples, uniformly distributed throughout the year.

Type of specimen taken:

According to EFSA (European Food Safety Authority), 2012. Technical specifications for the harmonised monitoring and reporting of antimicrobial resistance in MRSA in food-producing animals and food. EFSA Journal 2012;10(10):2897, 56 pp., the type of sample taken is fresh broiler meat.

Type of sampling:

Food sample: meat, prospective sampling

Sampling method:

Samples are taken randomly at retail according to an established schedule and technical procedure.

Procedures for the selection of isolates for the antimicrobial test:

All the isolates identified were tested for antimicrobial resistance

Methods used for data collection:

AESAN uses Excel Tools provided by EFSA for transmitting AMR data to Data Collection Framework:

- **The Excel Tool of prevalence data** where Technicians of the Autonomous Community of Madrid introduce MRSA prevalence data
- **The Excel Tool for isolates data** where Technicians of the Autonomous Community of Madrid introduce MRSA isolates data.

56.2. Stratification procedure per animal population and food category

The selection criteria by the Autonomous Community of Madrid is established in order to assign the number of samples depends, on the production volume of each establishment, on the number of strains willing to isolate, and on the prevalence.

56.3. Randomisation procedure per animal population and food category

Distribution of samples: Samples are allocated in the municipalities of the Community of Madrid (except from the capital) accounting for at least 80% of the population of the Autonomous Community of Madrid

Predominant establishment category: Retail outlets: 75% of samples taken in supermarkets, 25% of samples in traditional craft butcher´s businesses.

Epidemiological unit: single.

The competent Authority of the Autonomous Community of Madrid take samples of fresh broiler meat at retail trade, and isolates strains and performs the antibiogram.

In the Autonomous Community of Madrid the sample collection has been distributed between the region, gathering the main establishments.

56.4. Analytical method used for detection and confirmation^(b)

Laboratory methodology:

MRSA 1-step isolation method (EURL-AR protocol 2018)-excluding the selective enrichment step.

56.5. Laboratory methodology used for detection of antimicrobial resistance^(c)

Antimicrobials included in monitoring:

Fusidic acid, cefoxitin, Ciprofloxacin, Clindamycin, Chloramphenicol, Erythromycin, Streptomycin, Gentamicin, Kanamycin, Linezolid, Mupirocin, Penicillin, Quinupristin/Dalfopristin, Rifampicin, Sulfamethoxazole, Tetracycline, Tiamulin, Trimethoprim, Vancomycin

Cut-off values used in testing:

EUCAST, as in EFSA (European Food Safety Authority), 2012. Technical specifications for the harmonised monitoring and reporting of antimicrobial resistance in MRSA in food-producing animals and food. EFSA Journal 2012;10(10):2897

6. Results of investigation

Sent through DCF

7. Additional information

*** to be filled in per combination of bacterial species/matrix**

- (a): Method of sampling (description of sampling technique: stage of sampling, type of sample, sampler), Frequency of sampling, Procedure of selection of isolates for susceptibility testing, Method used for collecting data.
- (b): Analytical method used for detection and confirmation: according to the legislation, the protocols developed by the EURL-AR should be used and reported here. In the case of the voluntary specific monitoring on Carbapenemase-producers, the selective media used (commercial plates, 'in house' media) should be also reported here. In general, any variation with regard to the EURL-AR protocols should be stated here, number of isolates isolated per sample, in particular for *Campylobacter* spp..
- (c): Antimicrobials included, Cut-off values

Spain