

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 2015

## 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 2015.

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.

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\* 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

TEXTFORMS .....	3
1 ANIMAL POPULATIONS .....	3
1.1.1 Information on susceptible animal population .....	3
2 DISEASE STATUS .....	4
2.1 TUBERCULOSIS, MYCOBACTERIAL DISEASES .....	4
2.1.1 General evaluation of the national situation .....	4
2.1.1.1 Mycobacterium - general evaluation .....	4
2.1.2 Mycobacterium in animals .....	4
2.1.2.1 M. bovis in animal - Cattle (bovine animals) .....	4
2.2 BRUCELLOSIS .....	6
2.2.1 General evaluation of the national situation .....	6
2.2.1.1 Brucella - general evaluation .....	6
2.2.2 Brucella in animals .....	7
2.2.2.1 B. abortus in animal - Cattle (bovine animals) .....	7
2.2.2.2 B. melitensis in animal - Goats .....	8
2.2.2.3 B. melitensis in animal - Sheep .....	10
3 INFORMATION ON SPECIFIC ZOOSES AND ZOO NOTIC AGENTS .....	13
3.1 SALMONELLOSIS .....	13
3.1.1 General evaluation of the national situation .....	13
3.1.1.1 Salmonella - general evaluation .....	13
3.1.2 Salmonella in foodstuffs .....	13
3.1.2.1 Salmonella in food - Meat from bovine animals .....	14
3.1.2.2 Salmonella in food - Meat from broilers (Gallus gallus) .....	14
3.1.2.3 Salmonella in food - Meat from pig .....	15
3.1.2.4 Salmonella in food - Eggs .....	16
3.1.3 Salmonella in animals .....	17
3.1.3.1 Salmonella in animal - Cattle (bovine animals) .....	17
3.1.3.2 Salmonella in animal - Gallus gallus (fowl) - broilers .....	18
3.1.3.3 Salmonella in animal - Pigs .....	20
3.1.3.4 Salmonella in animal - Gallus gallus (fowl) - breeding flocks, unspecified .....	21
3.1.3.5 Salmonella in Turkeys - breeding flocks and meat production flocks .....	24
3.2 CAMPYLOBACTERIOSIS .....	27
3.2.1 General evaluation of the national situation .....	27
3.2.1.1 Thermophilic Campylobacter spp., unspecified - general evaluation .....	28
3.2.2 Campylobacter in foodstuffs .....	28
3.2.2.1 Thermophilic Campylobacter spp., unspecified in food - Meat from broilers (Gallus gallus) .....	28
3.2.3 Campylobacter in animals .....	29
3.2.3.1 Campylobacter spp., unspecified in animal - Turkeys - fattening flocks - Monitoring - EFSA specifications .....	29
3.2.3.2 Thermophilic Campylobacter spp., unspecified in animal - Cattle (bovine animals) .....	30
3.2.3.3 Thermophilic Campylobacter spp., unspecified in animal - Pigs - fattening pigs .....	31
3.2.3.4 Thermophilic Campylobacter spp., unspecified in animal - Gallus gallus (fowl) .....	31
3.3 LISTERIOSIS .....	33
3.3.1 General evaluation of the national situation .....	33
3.3.1.1 Listeria - general evaluation .....	33
3.4 E. COLI INFECTIONS .....	34
3.4.1 General evaluation of the national situation .....	34
3.4.1.1 Verotoxigenic E. coli (VTEC) - general evaluation .....	34
3.4.2 Escherichia coli, pathogenic in animals .....	34
3.4.2.1 Verotoxigenic E. coli (VTEC) in animal - Cattle (bovine animals) .....	34
3.5 YERSINIOSIS .....	35
3.5.1 General evaluation of the national situation .....	35
3.5.1.1 Yersinia - general evaluation .....	35
3.5.2 Yersinia in animals .....	36
3.5.2.1 Yersinia in animal - Pigs .....	36
3.6 TRICHINELLOSIS .....	37
3.6.1 General evaluation of the national situation .....	37
3.6.1.1 Trichinella - general evaluation .....	37
3.7 ECHINOCOCCOSIS .....	37
3.7.1 General evaluation of the national situation .....	38
3.7.1.1 Echinococcus - general evaluation .....	38
3.8 RABIES .....	38
3.8.1 General evaluation of the national situation .....	38
3.8.1.1 Lyssavirus (rabies) - general evaluation .....	38
3.8.2 Lyssavirus (rabies) in animals .....	39
3.8.2.1 Lyssavirus (rabies) in animal - Dogs .....	39
3.9 Q-FEVER .....	41
3.9.1 General evaluation of the national situation .....	41
3.9.1.1 Coxiella (Q-fever) - general evaluation .....	41
3.10 TOXOPLASMA .....	41
3.10.1 General evaluation of the national situation .....	41
3.10.1.1 Toxoplasma - general evaluation .....	41
4 ANTIMICROBIAL RESISTANCE INFORMATION ON SPECIFIC ZOOSES AND ZOO NOTIC AGENTS .....	43
4.1 SALMONELLOSIS .....	43
4.1.1 Salmonella in animals .....	43
4.1.1.1 Antimicrobial resistance in Salmonella Cattle (bovine animals) .....	43
4.1.1.2 Antimicrobial resistance in Salmonella Pigs .....	43
4.1.1.3 Antimicrobial resistance in Salmonella Poultry, unspecified .....	44
4.2 CAMPYLOBACTERIOSIS .....	45
4.2.1 Campylobacter in animals .....	45
4.2.1.1 Antimicrobial resistance in Campylobacter spp., unspecified Turkeys .....	45
4.3 ESCHERICHIA COLI, NON-PATHOGENIC .....	45
4.3.1 Escherichia coli, non-pathogenic in animals .....	46
4.3.1.1 Antimicrobial resistance in E.coli, non-pathogenic, unspecified .....	46
5 FOODBORNE OUTBREAKS .....	47
5.1 Outbreaks .....	47
5.1.1 Foodborne outbreaks .....	47
ANIMAL POPULATION TABLES .....	48
DISEASE STATUS TABLES FOR BRUCELLA .....	49
Bovine brucellosis - data on animals - Community co-financed eradication programmes .....	49
Ovine or Caprine brucellosis - data on status of herds at the end of the period - Community co-financed eradication programmes .....	50
Ovine or Caprine brucellosis - data on herds - Community co-financed eradication programmes .....	51
Ovine or Caprine brucellosis - data on animals - Community co-financed eradication programmes .....	52
Bovine brucellosis - data on status of herds at the end of the period - Community co-financed eradication programmes .....	53
Bovine brucellosis - data on herds - Community co-financed eradication programmes .....	54
DISEASE STATUS TABLES FOR MYCOBACTERIUM .....	55
Bovine tuberculosis - data on status of herds at the end of the period - Community co-financed eradication programmes .....	55
Bovine tuberculosis - data on herds - Community co-financed eradication programmes .....	55
Bovine tuberculosis - data on animals - Community co-financed eradication programmes .....	56
PREVALENCE TABLES .....	57
BRUCELLA .....	57
animal .....	57
food .....	58
CAMPYLOBACTER .....	59
animal .....	59

food	60
COXIELLA (Q-FEVER)	64
animal	64
CRONOBACTER	65
food	65
ECHINOCOCCUS	66
animal	66
food	68
ESCHERICHIA COLI, NON-PATHOGENIC	69
food	69
ESCHERICHIA COLI, PATHOGENIC	73
animal	73
food	74
HISTAMINE	81
food	81
LISTERIA	83
animal	83
food	84
LYSSAVIRUS (RABIES)	106
animal	106
MYCOBACTERIUM	107
animal	107
food	109
SALMONELLA	110
animal	110
food	113
feed	138
STAPHYLOCOCCAL ENTEROTOXINS	140
food	140
STAPHYLOCOCCUS AUREUS METICILLIN RESISTANT (MRSA)	143
animal	143
food	144
TOXOPLASMA	150
animal	150
TRICHINELLA	151
animal	151
WEST NILE VIRUS	153
animal	153
YERSINIA	154
animal	154
food	155
FOODBORNE OUTBREAKS TABLES	156
AMR TABLES FOR CAMPYLOBACTER	159
Campylobacter - C. coli	159
Cattle (bovine animals) - calves (under 1 year) - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - AMR MON	159
Pigs - fattening pigs - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - AMR MON	160
Campylobacter - C. jejuni	161
Cattle (bovine animals) - calves (under 1 year) - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - AMR MON	161
AMR TABLES FOR SALMONELLA	162
Salmonella - S. 4,12:b:-	162
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	162
Gallus gallus (fowl) - broilers - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	163
Gallus gallus (fowl) - broilers - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	164
Salmonella - S. 6,7:-:1,5	165
Gallus gallus (fowl) - broilers - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	165
Salmonella - S. Abony	166
Gallus gallus (fowl) - broilers - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	166
Salmonella - S. Adelaide	167
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	167
Salmonella - S. Agona	168
Cattle (bovine animals) - calves (under 1 year) - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - AMR MON	168
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	169
Turkeys - fattening flocks - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON pml2	170
Turkeys - fattening flocks - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	171
Turkeys - fattening flocks - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON pml2	172
Turkeys - fattening flocks - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	173
Salmonella - S. Albany	174
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	174
Gallus gallus (fowl) - broilers - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	175
Salmonella - S. Altona	176
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	176
Salmonella - S. Amsterdam	177
Gallus gallus (fowl) - broilers - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	177
Salmonella - S. Anatum	178
Cattle (bovine animals) - calves (under 1 year) - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - AMR MON	178
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	179
Gallus gallus (fowl) - broilers - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	180
Meat from pig - carcass - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - AMR MON	181
Meat from bovine animals - carcass - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - AMR MON	182
Salmonella - S. Bovismorbificans	183
Gallus gallus (fowl) - broilers - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	183
Meat from pig - carcass - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - AMR MON	184
Salmonella - S. Braenderup	185
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	185
Salmonella - S. Brandenburg	186
Meat from pig - carcass - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - AMR MON	186
Salmonella - S. Bredeney	187
Gallus gallus (fowl) - broilers - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	187
Turkeys - fattening flocks - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	188
Turkeys - fattening flocks - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	189
Meat from bovine animals - carcass - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - AMR MON	190
Salmonella - S. Cerro	191
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	191
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	192
Gallus gallus (fowl) - broilers - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON pml2	193
Gallus gallus (fowl) - broilers - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	194
Salmonella - S. Coeln	195
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	195
Salmonella - S. Corvallis	196
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	196
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	197
Turkeys - fattening flocks - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	198
Salmonella - S. Denver	199
Turkeys - fattening flocks - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	199
Salmonella - S. Derby	200
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	200
Gallus gallus (fowl) - broilers - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	201
Turkeys - fattening flocks - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	202
Turkeys - fattening flocks - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	203



Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	283
Gallus gallus (fowl) - broilers - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	284
Salmonella - S. Newport	285
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	285
Gallus gallus (fowl) - broilers - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	286
Gallus gallus (fowl) - broilers - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	287
Turkeys - fattening flocks - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	288
Turkeys - fattening flocks - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	289
Salmonella - S. Ohio	290
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	290
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	291
Meat from pig - carcass - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - AMR MON	292
Salmonella - S. Poona	293
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	293
Salmonella - S. Reading	294
Meat from pig - carcass - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - AMR MON	294
Salmonella - S. Rissen	295
Cattle (bovine animals) - calves (under 1 year) - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - AMR MON	295
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	296
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	297
Gallus gallus (fowl) - broilers - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	298
Meat from pig - carcass - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - AMR MON	299
Salmonella - S. Sandiego	300
Meat from pig - carcass - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - AMR MON	300
Salmonella - S. Schwarzengrund	301
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	301
Salmonella - S. Senftenberg	302
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	302
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	303
Gallus gallus (fowl) - broilers - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	304
Gallus gallus (fowl) - broilers - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	305
Turkeys - fattening flocks - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	306
Salmonella - S. Tees	307
Meat from pig - carcass - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - AMR MON	307
Salmonella - S. Tennessee	308
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	308
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	309
Salmonella - S. Thompson	310
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	310
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	311
Gallus gallus (fowl) - broilers - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	312
Salmonella - S. Toulon	313
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	313
Salmonella - S. Typhimurium	314
Cattle (bovine animals) - calves (under 1 year) - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - AMR MON	314
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	315
Gallus gallus (fowl) - broilers - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	316
Gallus gallus (fowl) - broilers - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	317
Turkeys - fattening flocks - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	318
Turkeys - fattening flocks - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	319
Meat from pig - carcass - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - AMR MON p12	320
Meat from pig - carcass - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - AMR MON	321
Salmonella - S. Typhimurium, monophasic	322
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	322
Gallus gallus (fowl) - broilers - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	323
Gallus gallus (fowl) - broilers - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	324
Meat from pig - carcass - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - AMR MON	325
Meat from bovine animals - carcass - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - AMR MON	326
Salmonella - S. Virchow	327
Gallus gallus (fowl) - broilers - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	327
Gallus gallus (fowl) - broilers - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	328
Turkeys - fattening flocks - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	329
Salmonella - S. Worthington	330
Gallus gallus (fowl) - broilers - Farm (not specified) - Control and eradication programmes - Industry sampling - AMR MON	330
Salmonella - S. Yovokome	331
Gallus gallus (fowl) - laying hens - Farm (not specified) - Control and eradication programmes - Official sampling - AMR MON	331
AMR TABLES FOR ESCHERICHIA COLI	332
Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	332
Meat from pig - fresh - Retail - Monitoring - EFSA specifications - Official sampling - ESBL MON p12	332
Meat from pig - fresh - Retail - Monitoring - EFSA specifications - Official sampling - ESBL MON	333
Cattle (bovine animals) - calves (under 1 year) - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - AMR MON	334
Cattle (bovine animals) - calves (under 1 year) - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - AMR MON	335
Cattle (bovine animals) - calves (under 1 year) - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - ESBL MON p12	336
Cattle (bovine animals) - calves (under 1 year) - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - ESBL MON p12	337
Cattle (bovine animals) - calves (under 1 year) - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - ESBL MON	338
Cattle (bovine animals) - calves (under 1 year) - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - ESBL MON	339
Pigs - fattening pigs - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - AMR MON p12	340
Pigs - fattening pigs - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - AMR MON	341
Pigs - fattening pigs - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - ESBL MON p12	342
Pigs - fattening pigs - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - ESBL MON	343
Meat from bovine animals - fresh - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - ESBL MON p12	344
Meat from bovine animals - fresh - Slaughterhouse - Monitoring - EFSA specifications - Official sampling - ESBL MON	345
Meat from bovine animals - fresh - Retail - Monitoring - EFSA specifications - Official sampling - ESBL MON p12	346
Meat from bovine animals - fresh - Retail - Monitoring - EFSA specifications - Official sampling - ESBL MON	347
OTHER AMR TABLES	348

# 1 ANIMAL POPULATIONS

The relevance of the findings on zoonoses and zoonotic agents has to be related to the size and nature of the animal population in the country

## 1.1.1 Information on susceptible animal population

### Sources of information

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/31/2015.

### Dates the figures relate to and the content of the figures

Number of holdings and animals: 31/12/2015

### Definitions used for different types of animals, herds, flocks and holdings as well as the types covered by the information

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 centers, ...). It have 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 DISEASE STATUS

### 2.1 TUBERCULOSIS, MYCOBACTERIAL DISEASES

#### 2.1.1 General evaluation of the national situation

##### 2.1.1.1 Mycobacterium - general evaluation

###### History of the disease and/or infection in the country

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 National Epidemiological Surveillance Network, created according with Royal Decree 2210/1995, december 25. 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, according to Directive 64/432/EEC. Control of milk and control of fresh meat production is carried out by Autonomous Communities according to European legislation in force (hygiene package).

###### National evaluation of the recent situation, the trends and sources of infection

Spanish programmes for eradication on bovine tuberculosis in last years show an increase of the disease prevalence in cattle y the last two years Raw milk only can be consumed if produced in herds OTF.

###### Relevance of the findings in animals, feedingstuffs and foodstuffs to human cases (as a source of infection)

Only few human cases had been identified as tuberculosis by Mycobacterium bovis in the last years. The risk of transmission from animals to humans is very low.

###### Recent actions taken to control the zoonoses

Spanish Programme on Eradication of Bovine Tuberculosis 2015. Milk control and fresh meat control production are developed according to european legislation in force (Hygiene Package).

###### Additional information

M. caprae has been isolated in 2005-2015 from cattle, goats, wild boards, foxes, wild ruminants.

#### 2.1.2 Mycobacterium in animals

##### 2.1.2.1 M. bovis in animal - Cattle (bovine animals)

###### Monitoring system

###### Sampling strategy



Sampling strategy is defined in Spanish Programme on Eradication on Bovine Tuberculosis 2015, covering cattle according Directive 64/432/EEC (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 injuries. 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 2015. These measures have increased the sensitivity at herd level as

## 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 exclusively send animals to a 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 reactor animals (mainly from herds with OTF status suspended) and from injuries 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 *M. bovis* isolation. Gamma-interferon: positive results, cut-off value 0,05. Organs/tissues: compatible lesions, auramine+, isolation or positive PCR

## Diagnostic/analytical methods used

SIT, SICCT, agent isolation, PCR and gamma-interferon assay following criteria laying down by Annex B of Directive 64/432/EEC. compatible lesions, auramine+, isolation or positive PCR, spoligotyping, VTNR

## 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 Council Directive 64/432/EEC, but with increased measures like: - more frequent tests in high prevalence areas - strategic use of gamma-interferon assay - pre-movement test - severe interpretation of SIT

### 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 *M. bovis*. If confirmed, withdrawal of OTF status by holding. Epidemiological studies, spoligotyping of the strain and inclusion in the National Database [micoDB.es](http://micoDB.es).

### Notification system in place

Since 1952, at least (Epizootic Diseases Law). At the moment by Animal Health Law 8/2003

### 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 show a moderate increase of the disease at herd level and at animal level in the country in . In conclusion, milk consumption can not be considered as a current source of infection in Spain, even more if it is assumed that cow milk is thermally treated. Explanation of this higher prevalence can be found in special management of this kind of herds: common grazing, ranching systems, fighting bulls, trashumance... Wildlife and goats can also be a source of infection in these holdings. The increase in the diagnostic sensitivity in 2008-2015 has important influence in the herd prevalence and incidence, that are higher than other programmes that use less sensitivity diagnostic strategies. Then, comparisons between programmes with different diagnostic strategies have to be carefully explained and interpreted.

## 2.2 BRUCELLOSIS

### 2.2.1 General evaluation of the national situation

#### 2.2.1.1 Brucella - general evaluation

##### History of the disease and/or infection in the country

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 sheeps, but raw milk products consumption have had historical importance as well. Nowadays brucellosis is considered as a professional disease. 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 didn't 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 in humans. At the moment the Programmes are being applied according to Directive 64/432/EEC and Directive 91/68/EEC. At human level disease brucellosis is a mandatory notifiable disease since 1943. It is included in National Epidemiology Surveillance Network, (Royal Decree 2210/1995, December 25 .

##### National evaluation of the recent situation, the trends and sources of infection

Spanish Programmes for eradication and monitoring of Brucellosis in cattle, goats and sheeps show the continuous decreasing trend of the disease prevalence in domestic animals, close to eradication. Raw milk only can be consumed if produced in herds free or officially free.

##### Recent actions taken to control the zoonoses

Spanish Programme on eradication of bovine brucellosis 2015. Spanish Programme on eradication of brucellosis in goats and sheep 2015. 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 foodstuffs production and commercialisation, establishes specific conditions regarding to milk and dairy milk.

## 2.2.2 Brucella in animals

### 2.2.2.1 B. abortus in animal - Cattle (bovine animals)

Status as officially free of bovine brucellosis during the reporting year

#### Free regions

The 2 provinces of the Canary Islands since June 2009; Baleares, Murcia, La Rioja and País Vasco since 2013 and Navarra since 2015.

#### Monitoring system

#### Sampling strategy

Sampling strategy is defined in Spanish Programme for Eradication of Bovine Brucellosis, covering cattle according to Directive 64/432/EEC (animals over 12 months of age). Tests 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

Twice a year at least. Only regions with low herd prevalence can apply a reduction of the frequency following Annex A.II.2 of Council Directive 64/432/CEE. Pre-movement test.

#### 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.

#### Case definition

Positive result to Rose Bengal test confirmed by positive result to Complement Fixation test or ELISA. In high prevalence areas, positive result to any official test. In free or officially free herds Brucella abortus isolation as well. Positive result of i-ELISA in milk confirmed by serological methods.

#### 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 Annex B of Directive 64/432/EEC

## Vaccination policy

Forbidden in general, but in high prevalence areas vaccination can be authorised with vaccine B-19 or other authorised vaccines (RB-51) according to Directive 64/432/EEC.

## 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 herds.

## Control program/mechanisms

### The control program/strategies in place

Spain has an Eradication and Monitoring Programme approved for co-financing. Basis of the programme measures is Directive 64/432/EEC and Royal Decree 2611/1996, at last amended. Increased measures have been implemented: pre-movement test, stamping out in low prevalence areas, vaccination in high prevalence areas, more frequent testing, inspections and official controls of field veterinarians, inspections of restricted herds.

### Recent actions taken to control the zoonoses

More frequent testing and pre-movement test  
Compulsory slaughter of all animals in herds with high incidence or repeating positive results, and in low prevalence areas 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 herd is free or officially free, status is suspended and if isolation of *Brucella abortus* is confirmed, lost of status by holding and, if the herd is placed in a low prevalence area, depopulation.

## Notification system in place

Since 1952, at least (Epizootic Diseases Law) At the moment by Animal Health Law 8/2003

## 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 Eradication and Monitoring Programme on Bovine Brucellosis show a moderate increase of the disease in the country in 2004, following by an important decrease in 2005, 2006 and mainly in 2007, 2008, 2009, 2010, 2011, 2012, 2014 and 2015. 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.

## Relevance of the findings in animals to findings in foodstuffs and to human cases (as a source of infection)

Brucellosis in humans is linked in Spain mainly to *B. melitensis*.

### 2.2.2.2 *B. melitensis* in animal - Goats

Status as officially free of caprine brucellosis during the reporting year

#### Free regions

see brucella melitensis in sheep

#### Monitoring system

##### Sampling strategy

see brucella melitensis in sheep

##### Frequency of the sampling

see brucella melitensis in sheep

##### Methods of sampling (description of sampling techniques)

see brucella melitensis in sheep

##### Case definition

see brucella melitensis in sheep

##### Diagnostic/analytical methods used

see brucella melitensis in sheep

#### Vaccination policy

see brucella melitensis in sheep

#### Other preventive measures than vaccination in place

see brucella melitensis in sheep

#### Control program/mechanisms

##### The control program/strategies in place

see brucella melitensis in sheep

##### Recent actions taken to control the zoonoses

see brucella melitensis in sheep

##### Suggestions to the European Union for the actions to be taken

see brucella melitensis in sheep

## Measures in case of the positive findings or single cases

see brucella melitensis in sheep

## Notification system in place

see brucella melitensis in sheep

## Results of the investigation

see brucella melitensis in sheep

## National evaluation of the recent situation, the trends and sources of infection

see brucella melitensis in sheep

## Relevance of the findings in animals to findings in foodstuffs and to human cases (as a source of infection)

see brucella melitensis in sheep

### 2.2.2.3 B. melitensis in animal - Sheep

## Status as officially free of ovine brucellosis during the reporting year

### Free regions

Canarias by Decision 2001/292/EC, Baleares by Decision 2010/695/EU, Galicia, Asturias, Cantabria, Castilla y Leon and Pais Vasco since 2013 and Navarra since 2014.

## Monitoring system

### Sampling strategy

Sampling strategy is defined in Spanish Programme on eradication and monitoring of brucellosis in sheep and goats, according to Directive 91/68/EEC: - animals over 6 months of age if not vaccinated - animals over 18 months of age if vaccinated. 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 the disease.

### Frequency of the sampling

Once a year at least in herds free or officially free. Twice a year at least in non qualified herds.

### Type of specimen taken

serum, blood, milk, organs/tissues

### Methods of sampling (description of sampling techniques)

At herd level, in animals over 6 or 18 months 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

Positive result to Rose Bengal confirmed by positive result to Complement Fixation. In infected herds, positive results to any official test. In free or officially free herds Brucella melitensis isolation as well.

## Diagnostic/analytical methods used

Rose Bengal test, agent isolation, Complement Fixation test following criteria laying down by Annex C of Directive 91/68/EEC

## Vaccination policy

Animals between 3 and 6 months of age (not in officially free herds or free herds that are on the way to gain officially free status in low prevalence areas) In high incidence areas adults can be vaccinated exceptionally to control the spread of the disease to other herds or humans.

## Other preventive measures than vaccination in place

Pre-movement test in trashumance in certain areas  
Cleaning and disinfecting of positive holdings  
Control of common grazing areas  
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 are Directive 91/68/EEC and Royal Decree 1941/2004.

### Recent actions taken to control the zoonoses

More frequent testing in non qualified herds  
Compulsory slaughter of all animals in herds with high incidence or repeating positive results  
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

Research into other test methodologies and into other vaccines. Authorization of new tests (ELISA, FPA)

## Measures in case of the positive findings or single cases

Confirmation by complement fixation test, and if herd free or officially free, status is suspended and if isolation of Brucella melitensis, lost of status by holding and depopulation if herd is placed in low prevalence area

## Notification system in place

Since 1952, at least (Epizootic Diseases Law) At the moment by Animal Health Law 8/2003

## Results of the investigation

see table

## National evaluation of the recent situation, the trends and sources of infection

Data obtained by implementation of Spanish Programme for Eradication and Monitoring of Brucellosis in Sheep and Goats show continuous decreasing trend of the disease in the country, following the trends of previous years.

## Relevance of the findings in animals to findings in foodstuffs and to human cases (as a source of infection)

The human cases have been identified mainly as *Brucella melitensis*, caused by direct contact between humans and infected herds, as a professional disease (farmers, veterinary surgeons...).



## 3 INFORMATION ON SPECIFIC ZONOSSES AND ZONOTIC AGENTS

Zoonoses are diseases or infections, which are naturally transmissible directly or indirectly between animals and humans. Foodstuffs serve often as vehicles of zoonotic infections. Zoonotic agents cover viruses, bacteria, fungi, parasites or other biological entities that are likely to cause zoonoses.

### 3.1 SALMONELLOSIS

#### 3.1.1 General evaluation of the national situation

##### 3.1.1.1 Salmonella - general evaluation

#### History of the disease and/or infection in the country

Salmonellosis is the second main zoonoses (in number of human cases) in 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 method, the specific pathology of avian salmonellosis was caused by *S. pullorum* and *S. gallinarum*. In the middle of the 80's come up a new infection in breeding flocks for meat production caused by *S. enteritidis*, and following it, also in laying hens and in feed *S. enteritidis* was isolated.

#### National evaluation of the recent situation, the trends and sources of infection

Nowadays the sources of infection are widespread along the food chain: feed, animals, food(eggs and ovoproducts, meat)and humans can be a source of infection.At animal level, data in breeding flocks for Salmonella spp are(from 4,31% in 2014 to 4% in 2015) and of top 5 serovars (from 0.52% in 2014 to 0.28 in 2015). Spain have reached the community target in 2015.In laying hens, flock incidence in SE/ST decreased from 1.18% in 2014 to 0.72 % in 2015(adult flocks). In broiler flocks, the prevalence of *S. Enteritidis* and *S.Typhimurium* was 0,11% in 2014 and 0.12% in 2015.In breeding turkeys the prevalence of SE/ST, including monophasic strains in 2015 was 0%.In fattening turkeys the prevalence of SE/ST, including monophasic strains in 2015 was 0.52% Data indicate that we have reached the prevalence target in poultry in Spain in 2015.At human level salmonellosis is a notifiable disease according to Royal Decree 2210/1995, laying down National Epidemiological Surveillance Network. Salmonellosis is a mandatory disease in Spain, since 2015. According to Royal Decree 328/2003, laying down the Poultry Health Plan, all veterinarians have to notify to the Competent Authority cases of zoonoses and zoonotic agents.

#### Relevance of the findings in animals, feedingstuffs and foodstuffs to human cases (as a source of infection)

It is very difficult to establish the relevance of the data in the different steps of the food chain as sources of infection, because epidemiology of salmonellosis is very complex.Nevertheless, human cases are mainly linked to eggs and egg derived food consumption.

#### Recent actions taken to control the zoonoses

Ministry of Agriculture, Food and Environment and Ministry of Health, Social Policy and Equality of Spain are carrying out a Control Programme of Salmonella in poultry, eggs and ovoproducts along the overall food chain, starting with monitoring systems at holdings(National Surveillance Programme).

#### 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 immediat 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, 2006, laying down specific implementation conditions of the Communities rules concernig hygiene subjets, as well as foodstuff's production and commercialisation.

#### 3.1.2 Salmonella in foodstuffs

### 3.1.2.1 Salmonella in food - Meat from bovine animals

#### Monitoring system

##### Sampling strategy

At slaughterhouse and cutting plant

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.

##### Frequency of the sampling

At slaughterhouse and cutting plant

Sampling distributed evenly throughout the year

At meat processing plant

Sampling distributed evenly throughout the year

At retail

Sampling distributed evenly throughout the year

##### Diagnostic/analytical methods used

At slaughterhouse and cutting plant

Bacteriological method: ISO 6579:2002

At meat processing plant

Bacteriological method: ISO 6579:2002

At retail

Bacteriological method: ISO 6579:2002

### 3.1.2.2 Salmonella in food - Meat from broilers (Gallus gallus)

#### Monitoring system

##### Sampling strategy

At slaughterhouse and cutting plant

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.

### Frequency of the sampling

At slaughterhouse and cutting plant

Sampling distributed evenly throughout the year

At meat processing plant

Sampling distributed evenly throughout the year

At retail

Sampling distributed evenly throughout the year

### Diagnostic/analytical methods used

At slaughterhouse and cutting plant

Bacteriological method: ISO 6579:2002

At meat processing plant

Bacteriological method: ISO 6579:2002

At retail

Bacteriological method: ISO 6579:2002

### 3.1.2.3 Salmonella in food - Meat from pig

#### Monitoring system

#### Sampling strategy

At slaughterhouse and cutting plant

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.

### Frequency of the sampling

At slaughterhouse and cutting plant

Sampling distributed evenly throughout the year

At meat processing plant

Sampling distributed evenly throughout the year

At retail

Sampling distributed evenly throughout the year

### Diagnostic/analytical methods used

At slaughterhouse and cutting plant

Bacteriological method: ISO 6579:2002

At meat processing plant

Bacteriological method: ISO 6579:2002

At retail

Bacteriological method: ISO 6579:2002

### 3.1.2.4 Salmonella in food - Eggs

#### Monitoring system

#### Sampling strategy

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.

#### Frequency of the sampling

Eggs at egg packing centres (foodstuff based approach)

Sampling distributed evenly throughout the year

Eggs at retail

Sampling distributed evenly throughout the year

Raw material for egg products (at production plant)

Sampling distributed evenly throughout the year

Egg products (at production plant and at retail)

Sampling distributed evenly throughout the year

### Diagnostic/analytical methods used

Eggs at egg packing centres (foodstuff based approach)

Bacteriological method: ISO 6579:2002

Eggs at retail

Bacteriological method: ISO 6579:2002

Raw material for egg products (at production plant)

Bacteriological method: ISO 6579:2002

Egg products (at production plant and at retail)

Bacteriological method: ISO 6579:2002

### Control program/mechanisms

#### Recent actions taken to control the zoonoses

In 2003 a workshop was organised for "Salmonella in eggs and egg products" coordinated by the Spanish Food Safety and Nutrition Agency. The result was the approval between all the competent authorities in this area of the "Programme on Salmonella spp in eggs and egg products".

## 3.1.3 Salmonella in animals

### 3.1.3.1 Salmonella in animal - Cattle (bovine animals)

#### Monitoring system

##### Sampling strategy

Samples have been taken randomly (day of sampling each month) in 17 slaughterhouses (distribution of the number of samples according to the capacity of sacrifice of each slaughterhouse) placed in different regions of Spain and representative of the total volume of sacrifice of the country (around 58,5%) in the year 2015.

##### Frequency of the sampling

Animals at slaughter (herd based approach)

monthly

## Type of specimen taken

Animals at slaughter (herd based approach)

Faeces

## Methods of sampling (description of sampling techniques)

Animals at slaughter (herd based approach)

Two faecal samples at colon level have been taken in all the slaughter batches in the day of sampling, with a maximum of 30 batches by slaughterhouse and day of sampling. A total of 384 slaughter batches have been tested. Faeces were taken from the colon, refrigerated immediately and sent to the laboratory and analyzed within 24 hours.

## Case definition

Animals at slaughter (herd based approach)

A slaughter batch is positive if *Salmonella* spp. has been isolated from at least one of the two samples of each slaughter batch of calves.

## Diagnostic/analytical methods used

Animals at slaughter (herd based approach)

Bacteriological method: ISO 6579:2002/Amd 1:2007; PCR.

## Results of the investigation

see table

## National evaluation of the recent situation, the trends and sources of infection

The monitoring programme will be implemented each 2 years. Then, the next monitoring programme will be performed in 2017.

### 3.1.3.2 *Salmonella* in animal - *Gallus gallus* (fowl) - broilers

## 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 in broilers.

## Frequency of the sampling

Broiler flocks: Before slaughter at farm

3 weeks prior to slaughter (FBO 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 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: ISO 6579:2002

## Vaccination policy

### Broiler flocks

Does not exist.

## Other preventive measures than vaccination in place

### Broiler flocks

## Control program/mechanisms

### The control program/strategies in place

#### Broiler flocks

National Control and Monitoring Plan on Salmonella in broiler flocks 2015, approved for co-financing by Commission Decision 2013/722/UE

### Recent actions taken to control the zoonoses

National Control and Monitoring Plan on Salmonella in broiler flocks 2015, 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

## Notification system in place

Since 1952, at least (Epizootic Diseases Law). At the moment by Animal Health Law 8/2003, Royal Decree 328/2003 and Royal Decree 1940/2004.

## Results of the investigation

see table

## National evaluation of the recent situation, the trends and sources of infection

Spain has already reached the community target.

### 3.1.3.3 Salmonella in animal - Pigs

## Monitoring system

### Sampling strategy

#### Fattening herds

Samples have been taken randomly (day of each month) in 20 slaughterhouses (distribution of the number of samples according to the capacity of sacrifice of each slaughterhouse) placed in different regions of Spain and representative of the total volume of sacrifice of the country ( 58%) in the year 2015.

### Frequency of the sampling



Fattening herds at slaughterhouse (herd based approach)

monthly

#### Type of specimen taken

Fattening herds at slaughterhouse (herd based approach)

faeces

#### Methods of sampling (description of sampling techniques)

Fattening herds at slaughterhouse (herd based approach)

Two faecal samples at colon level have been taken from all the slaughter batches in the day of sampling, with a maximum of 30 batches by slaughterhouse and day of sampling. Each batch belonged to different herds. A total of 384 batches have been tested. Samples were refrigerated immediately and sent to the laboratory and analyzed within 24 hours.

#### Case definition

Fattening herds at slaughterhouse (herd based approach)

A slaughter batch is considered positive for the purpose of this survey if *Salmonella* spp. has been isolated from the pooled sample of faeces.

#### Diagnostic/analytical methods used

Fattening herds at slaughterhouse (herd based approach)

Bacteriological method: ISO 6579:2002/Amd 1:2007; PCR

#### Results of the investigation

see table

#### National evaluation of the recent situation, the trends and sources of infection

The monitoring programme will be implemented every 2 years. Then, the next monitoring programme will be performed in 2017.

#### 3.1.3.4 *Salmonella* in animal - *Gallus gallus* (fowl) - breeding flocks, unspecified

#### 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 Surveillance and Control Programme on Salmonella in Breeding Flocks of Gallus gallus, approved for co-financing by Commission Decision 2013/722/UE.

## Frequency of the sampling

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Day-old chicks

Every flock is sampled

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Rearing period

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

Other: FBO controls: every 2 weeks. 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.

## Type of specimen taken

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Rearing period

Faeces

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Production period

Faeces

## Methods of sampling (description of sampling techniques)

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Day-old chicks

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.

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Rearing 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.

Breeding flocks: 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

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 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. This rule shall not apply in exceptional cases described in point 2.2.2.2(c) where the initial Salmonella positive result from sampling at the initiative of the food business operator has not been confirmed by the sampling as part of official controls.

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Rearing 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 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. This rule shall not apply in exceptional cases described in point 2.2.2.2(c) where the initial Salmonella positive result from sampling at the initiative of the food business operator has not been confirmed by the sampling as part of official controls.

Breeding flocks (separate elite, grand parent and parent flocks when necessary): 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 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. This rule shall not apply in exceptional cases described in point 2.2.2.2(c) where the initial Salmonella positive result from sampling at the initiative of the food business operator has not been confirmed by the sampling as part of official controls.

## Diagnostic/analytical methods used

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Day-old chicks

Bacteriological method: ISO 6579:2002

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Rearing period

Bacteriological method: ISO 6579:2002

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Production period

Bacteriological method: ISO 6579:2002

## 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 and Monitoring Programme on Salmonella in Breeding Flocks of Gallus gallus 2015, approved for co-financing by Commission Decision 2013/722/UE.

### Recent actions taken to control the zoonoses

Compulsory National Control and Monitoring Programme on Salmonella in Breeding Flocks of Gallus gallus 2015.

### 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 and Monitoring Programme on Salmonella in Breeding Flocks of Gallus gallus 2015, 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

### Notification system in place

Since 1952, at least (Epizootic Diseases Law). At the moment by Animal Health Law 8/2006, Royal Decree 328/2003 and Royal Decree 1940/2004.

### Results of the investigation

See table

### National evaluation of the recent situation, the trends and sources of infection

The incidence on top 5 have decreased from 2014 (0,52%) to 2015 (0.28%) . Spain has reached the Community reduction (<1%) target for 2015.

### 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 no positive flock to Salmonella

## 3.1.3.5 Salmonella in Turkeys - breeding flocks and meat production flocks

### 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) 584/2008 as regards a Community target for the reduction of the prevalence of Salmonella Enteritidis and Salmonella Typhimurium, in turkeys.

Meat production flocks

Following points 1 and 2 of the Annex of Commission Regulation (EC) 584/2008 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) 584/2008 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) 584/2008 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) 584/2008 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) 584/2008 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 points 2 of the Annex of Commission Regulation (EC) 584/2008 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) 584/2008 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 points 2 of the Annex of Commission Regulation (EC) 584/2008 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) 584/2008 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) 584/2008 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) 584/2008 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) 584/2008 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: ISO 6579:2002

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Production period

Bacteriological method: ISO 6579:2002

Meat production flocks: Before slaughter at farm

Bacteriological method: ISO 6579:2002

## 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 and Monitoring Programme on Salmonella in Breeding Flocks of Turkeys 2015

Meat production flocks

Spanish National Control and Monitoring Programme on Salmonella in Meat Production Flocks of Turkeys 2015

### Recent actions taken to control the zoonoses

Compulsory National Control and Monitoring Programme on Salmonella in Breeding Flocks and Meat Production Flocks of Turkeys 2015, following criteria of Regulation (EC) 584/2008.

## Notification system in place

Since 1952, at least (Epizootic Diseases Law). At the moment by Animal Health Law 8/2006, Royal Decree 328/2003 and Royal Decree 1940/2004.

## Results of the investigation

see table

## National evaluation of the recent situation, the trends and sources of infection

In 2015, Spain has achieved the community target.

## 3.2 CAMPYLOBACTERIOSIS

### 3.2.1 General evaluation of the national situation

Spain - 2015

### 3.2.1.1 Thermophilic Campylobacter spp., unspecified - general evaluation

#### History of the disease and/or infection in the country

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. Notification of the disease is also under valued in surveillance systems. Epidemiology investigations show an association of cases to poultry meat consumption and a deficient handle of food. Campilobacteriosis is a mandatory disease in Spain, since 2015.

#### National evaluation of the recent situation, the trends and sources of infection

Poultry meat is the main source of infection. Another food implicated are red meat, raw milk, non pasteurized cheese, and water.

#### Relevance of the findings in animals, feedingstuffs and foodstuffs to human cases (as a source of infection)

More studies need to be developed. In 2014, active monitoring programmes have been performed in broilers and fattening turkeys and in cattle and pigs in 2015.

#### Recent actions taken to control the zoonoses

Monitoring of the zoonoses according to Council Directive 2003/99/EEC.

## 3.2.2 Campylobacter in foodstuffs

### 3.2.2.1 Thermophilic Campylobacter spp., unspecified in food - Meat from broilers (Gallus gallus)

#### Monitoring system

##### Sampling strategy

At slaughterhouse and cutting plant

The activities are made according 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.

##### Frequency of the sampling

At slaughterhouse and cutting plant

Sampling distributed evenly throughout the year

At meat processing plant

Sampling distributed evenly throughout the year



At retail

Sampling distributed evenly throughout the year

### Type of specimen taken

At slaughterhouse and cutting plant

fresh meat and skin

At meat processing plant

fresh meat and skin

At retail

fresh meat and skin

### Diagnostic/analytical methods used

At slaughterhouse and cutting plant

bacteriological method: ISO 10272:2006

At meat processing plant

Bacteriological method:ISO10272:2006

At retail

Bacteriological method: ISO 10272:2006

## 3.2.3 Campylobacter in animals

### 3.2.3.1 Campylobacter spp., unspecified in animal - Turkeys - fattening flocks - Monitoring - EFSA specifications

#### Monitoring system

#### Sampling strategy

Samples have been taken randomly (day of sampling each month) in 7 slaughterhouses (distribution of the samples according to capacity of sacrifice of each slaughterhouse) placed in different regions of Spain and representative (94%) of the total volume of sacrifice of the country.

### Frequency of the sampling

between January and December

### Type of specimen taken

Caecum

### Diagnostic/analytical methods used

isolation in agar mCCDA(Oxoid) and identification by PCR multiplex.

### Vaccination policy

doesn't exist

### Other preventive measures than vaccination in place

biosecurity measures, implementation of good hygiene practices

### Control program/mechanisms

#### The control program/strategies in place

doesn't exist

## 3.2.3.2 Thermophilic Campylobacter spp., unspecified in animal - Cattle (bovine animals)

### Monitoring system

#### Sampling strategy

Samples have been taken randomly (day of sampling each month) in 17 slaughterhouses (distribution of the samples according to the capacity of sacrifice of each slaughterhouse) placed in different regions of Spain and representative of the total volume of sacrifice of the country (58,5%).

#### Frequency of the sampling

Two faecal samples at colon level have been taken in all the slaughter batches in the day of sampling, with a maximum of 30 batches by slaughterhouse and day of sampling. Each batch belonged to different holdings. A total of 768 samples have been taken, belonging to 384 slaughter batches and 384 different holdings. Faeces were taken from the colon, refrigerated immediately and sent to the laboratory and analyzed within 24 hours.

#### Type of specimen taken

Faeces

#### Methods of sampling (description of sampling techniques)

Faeces were taken from the colon, refrigerated immediately and sent to the laboratory and analyzed before 24 hours.

#### Case definition

One slaughter batch was considered as positive if isolation of Campylobacter spp. by culture and identification by PCR

#### Diagnostic/analytical methods used

Isolation in agar mCCDA(Oxoid) and agar Campyfood (bioMerieux) and identification by PCR multiplex.

#### National evaluation of the recent situation, the trends and sources of infection

The monitoring programme will be implemented each 2 years. Then, a new monitoring programme will be implemented in 2017.

#### 3.2.3.3 Thermophilic Campylobacter spp., unspecified in animal - Pigs - fattening pigs

##### Monitoring system

##### Frequency of the sampling

2 faecal samples by slaughter batch with 10 animals or more, with a maximum of 30 slaughter batches by slaughterhouse and day of sampling. Each batch belonged to different herds. Sampling has been performed in 20 slaughterhouses, representing an important part of all the fattening pigs sacrificed in Spain (58%). A total of 768 samples have been taken, belonging to 384 slaughter batches and 384 different holdings. Samples were refrigerated immediately and sent to the laboratory and analyzed within 24 hours.

##### Type of specimen taken

Faeces

##### Methods of sampling (description of sampling techniques)

2 faecal material samples by slaughter batch and by holding

##### 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

##### Vaccination policy

Doesn't exist

#### National evaluation of the recent situation, the trends and sources of infection

The monitoring programme will be implemented each 2 years, then the new one will be performed in 2017.

#### Relevance of the findings in animals to findings in foodstuffs and to human cases (as a source of infection)

More studies need to be developed

#### 3.2.3.4 Thermophilic Campylobacter spp., unspecified in animal - Gallus gallus (fowl)

## Monitoring system

### Sampling strategy

Samples have been taken randomly (day of sampling each month) in 27 slaughterhouses (distribution of the samples according to capacity of sacrifice of each slaughterhouse) placed in different regions of Spain and representative (63%) of the total volume of sacrifice of the country.

### Frequency of the sampling

At slaughter

between January and December 2014

### Type of specimen taken

At slaughter

Caecum

### Methods of sampling (description of sampling techniques)

At slaughter

10 caecum samples have been taken from 10 animals of all the slaughter batches in the day of sampling, with a maximum of 30 batches by day of sampling. Each batch belonged to different flocks. A total of 5000 samples have been taken, belonging to 500 slaughter batches and 500 different holdings. Samples were refrigerated immediately and sent to the laboratory and analyzed within 24 hours.

### Case definition

At slaughter

A slaughter batch is considered positive for the purpose of this survey if *Campylobacter* spp. has been isolated from at least one of the 10 samples of the slaughter batch.

### Diagnostic/analytical methods used

At slaughter

Other: isolation in agar mCCDA(Oxid) and identification by PCR multiplex.

### Vaccination policy

doesn't exist

### Other preventive measures than vaccination in place

biosecurity measures, implementation of good hygiene practices

## Control program/mechanisms

The control program/strategies in place

doesn't exist

## Results of the investigation

Number of slaughter batches tested: 500 Number of slaughter batches positive: 127 C. jejuni and 140 C. coli; 44 isolates of C. jejuni were non-typable and the AST was not possible to be performed.

## Relevance of the findings in animals to findings in foodstuffs and to human cases (as a source of infection)

More studies need to be performed, the next monitoring programme will be performed in 2016.

## 3.3 LISTERIOSIS

### 3.3.1 General evaluation of the national situation

#### 3.3.1.1 Listeria - general evaluation

##### History of the disease and/or infection in the country

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.

##### National evaluation of the recent situation, the trends and sources of infection

Listeria is a serious food safety issue, particularly for pregnant women, the elderly, and those who are immunocompromised in Spain. In 2013 the number of reported human cases was 143. Listeriosis is a mandatory disease in Spain, since 2015.

##### Recent actions taken to control the zoonoses

The activities 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). 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.

##### Additional information

Diagnostic methods used in food : Bacteriological method: ISO 11290-2\_:2004.

## 3.4 E. COLI INFECTIONS

### 3.4.1 General evaluation of the national situation

#### 3.4.1.1 Verotoxigenic E. coli (VTEC) - general evaluation

##### History of the disease and/or infection in the country

Verotoxigenic *Escherichia coli* have emerged as foodborne pathogens which can cause severe and potentially fatal illness. Ruminants, specially 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 and 2013 national active monitoring programmes have been performed in young cattle 1-2 years old at slaughterhouse under a herd based approach. The next monitoring programme will be implemented in 2015.

##### National evaluation of the recent situation, the trends and sources of infection

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.

##### Recent actions taken to control the zoonoses

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 2015 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.

##### Additional information

Diagnostic methods used in food:- Bacteriological method: ISO 16.654:2001.- Method ELISA- PCR-Bax

### 3.4.2 *Escherichia coli*, pathogenic in animals

#### 3.4.2.1 Verotoxigenic E. coli (VTEC) in animal - Cattle (bovine animals)

##### Monitoring system

###### Sampling strategy

Samples have been taken randomly (day of sampling each month) in 17 slaughterhouses (distribution of the number of samples according to the capacity of sacrifice of each slaughterhouse) placed in different regions of Spain and representative of the total volume of sacrifice of the country (around 58,5%) in the year 2015.

###### Type of specimen taken

Animals at slaughter (herd based approach)

hair from the brisket area

## Methods of sampling (description of sampling techniques)

### Animals at slaughter (herd based approach)

A sample of hair has been taken from one animal in all the slaughter batches in the day of sampling, with a maximum of 30 batches by slaughterhouse and day of sampling

## Diagnostic/analytical methods used

### Animals at slaughter (herd based approach)

ISO 13.136:2012

## Results of the investigation

Number of slaughter batches analyzed: 384 Positive : 633 VTEC

## National evaluation of the recent situation, the trends and sources of infection

The monitoring programme will be implemented each 2 years. The next monitoring programme will be performed in 2017.

## 3.5 YERSINIOSIS

### 3.5.1 General evaluation of the national situation

#### 3.5.1.1 Yersinia - general evaluation

##### History of the disease and/or infection in the country

Yersiniosis is a mandatory disease in Spain, since 2015.

##### National evaluation of the recent situation, the trends and sources of infection

The number of *Yersinia enterocolitica* human cases reported to the Microbiological Information System was 243 in 2013, versus 220 cases in 2012. At animal level, an active monitoring programme in fattening pigs at slaughter in 2015 detected *Y. enterocolitica* in 41,7% of the slaughter batches tested. All the strains belonged to biotype 4 serotype O:3.

##### Relevance of the findings in animals, feedingstuffs and foodstuffs to human cases (as a source of infection)

Animals are the main source of *Yersinia*. Fecal wastes from animals (particularly pigs) may contaminate water, milk and foods and become a source of infection for people or other animals.

##### Recent actions taken to control the zoonoses

The activities are made according to Regulation (EC) no 178/2002. (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). Controls must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. At animal level, active monitoring programmes have been performed in pigs at slaughterhouse in 2007-2011, 2013 and 2015. The next one will be performed in 2017.

## 3.5.2 Yersinia in animals

### 3.5.2.1 Yersinia in animal - Pigs

#### Monitoring system

##### Sampling strategy

Animals at slaughter (herd based approach)

Samples have been taken randomly (day of each month) in 20 slaughterhouses (distribution of the number of samples according to the capacity of sacrifice of each slaughterhouse) placed in different regions of Spain and representative of the total volume of sacrifice of the country ( 58%) in the year 2015.

##### Frequency of the sampling

Animals at slaughter (herd based approach)

monthly.

##### Type of specimen taken

Animals at slaughter (herd based approach)

tonsils

##### Methods of sampling (description of sampling techniques)

Animals at slaughter (herd based approach)

One sample of tonsils have been taken from all the slaughter batches in the day of sampling, with a maximum of 30 batches by slaughterhouse and day of sampling . Each batch belonged to different herds. A total of 384 batches have been tested. Samples were refrigerated immediately and sent to the laboratory and analyzed within 24 hours.

##### Case definition

Animals at slaughter (herd based approach)

isolation of Yersinia in the sample of tonsils

##### Diagnostic/analytical methods used



## Results of the investigation

see table

## National evaluation of the recent situation, the trends and sources of infection

The monitoring programme will be implemented each 2 years. Then, the next monitoring programme will be performed in 2017.

## 3.6 TRICHINELLOSIS

### 3.6.1 General evaluation of the national situation

#### 3.6.1.1 Trichinella - general evaluation

#### History of the disease and/or infection in the country

Trichinellosis is a notifiable zoonosis, cases are usually associated to outbreaks, two outbreaks occurred in 2013 and 2014, one each year.

#### National evaluation of the recent situation, the trends and sources of infection

Sources of infection are mainly associated to the consume of meat and raw meat products of wild boars killed in hunting or pigs slaughtered at home and which carcasses has not been examined post-mortem.

#### Relevance of the findings in animals, feedingstuffs and foodstuffs to human cases (as a source of infection)

Most cases are caused by *Trichinella spiralis*. *Trichinella britovi* has previously been associated with outbreaks due to the consumption of boar meat, and meat from other wild animals but in the last years *T. britovi* was associated with pork meat and transmitted through the consumption of meat from a domestic pig.

#### Recent actions taken to control the zoonoses

The activities against this zoonoses are the Official Control: Examination of fresh meat and killed in hunting according to European legislation in force: Commission Regulation (EC) Number 2075/2005 of December 5, 2005 laying down specific rules on official controls for trichinella in meat and Commission Regulation (EC) Number 1665/2006 amending Commission Regulation (EC) Number 2075/2005 Domestic killing for self consumption and 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 Communities rules concerning hygiene subjects, as well as foodstuff's production and commercialisation. According to article seven of the Commission Regulation (EC) Number 2075/2005 of December 5, 2005, laying down specific rules on official controls for *Trichinella* in meat, 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*. This plan includes details covering: (a) traceability of infested carcass(s); (b) measures for dealing with infested carcass(s) and parts thereof; (c) investigation of the source of investigation and any spreading among wildlife; (d) any measures to be taken at retail or consumer level; (e) measures to be taken where the infested carcass(s) cannot be identified at the slaughterhouse; (f) determination of the *Trichinella* species involved. In Spain the *Trichinella* examination is compulsory for meat from *trichinella* susceptible species, including domestic killing for self-consumption.

## 3.7 ECHINOCOCCOSIS

### 3.7.1 General evaluation of the national situation

#### 3.7.1.1 Echinococcus - general evaluation

##### History of the disease and/or infection in the country

Echinococcosis was a notifiable disease in some Spanish regions, since 2015 it is a mandatory disease in all the Spanish regions. Human hydatidosis has been a Mandatory Notifiable Royal Decree 2210/1995, laying down the National Epidemiologic Surveillance Network, classify echinococcosis as an endemic disease at regional frame. In 80s many regions started to set up a control programme based in control of animal echinococcosis and in general peoples 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).

##### National evaluation of the recent situation, the trends and sources of infection

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

##### Relevance of the findings in animals, feedingstuffs and foodstuffs to human cases (as a source of infection)

Higher incidence values of human cases are situated in regions with the highest census of sheep and goats.

##### Recent actions taken to control the zoonoses

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 activities against this zoonoses are the Official Control in fresh meat according to European Legislation in force (Hygiene package).

## 3.8 RABIES

### 3.8.1 General evaluation of the national situation

#### 3.8.1.1 Lyssavirus (rabies) - general evaluation

##### History of the disease and/or infection in the country

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 regulations of the anti-rabies programme. Urban rabies has been the main epidemiological form in the history of the disease in Spain, with dogs as reservoir of the infection. Spain is free of land rabies since 1966, with exception of Ceuta and Melilla, that have a regular notification of animal cases of rabies by their situation in North Africa, where rabies is endemic. In peninsular territory an imported outbreak was reported in 1975 in the province of Malaga by introduction of dogs coming from North Africa. This outbreak ended in 1977 with 122 animals infected (dogs and cats, and 2 foxes) and one case of human rabies. Since 1979 only sporadically cases by EBLV in bats (*Eptesicus serotinus* and *Eptesicus isabellinus*) have been reported in peninsular territory. In June 2013, a positive dog illegally imported from North Africa was confirmed on rabies (RABV) in Spain mainland . According to the Action Plan in rabies, Spain declared the Alert Level 1 for six months, with increased control measures in the risk area. This control measures included mandatory vaccination of dogs, cats and ferrets, surveillance of animal contacts, control of stray animals, control of cadavers of domestic and wild carnivores and movement restrictions. In 2014, an imported human case from Morocco was detected in the Peninsula. The patient was a 46-year-old woman with residence in Spain, who was bitten by a dog while she was visiting her relatives in Morocco.

## National evaluation of the recent situation, the trends and sources of infection

Since 1978 Spanish mainland and islands remains free of rage 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 and other countries of North Africa.

## Relevance of the findings in animals, feedingstuffs and foodstuffs to human cases (as a source of infection)

Since 1975 no human cases with origin in peninsular territory and islands have been reported.

## Recent actions taken to control the zoonoses

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 12 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.

## Additional information

In 2014, a fatal human case was imported from Morocco. The patient was a 46-year-old woman who was bitten by a dog while she was visiting her relatives in Morocco. She visited the hospital in Spain several months after the bite. The diagnosis was performed by the Spanish National Reference Laboratory on 30 April. The strain identified was similar to those circulating in North-Africa. The patient died on 20 May.

## 3.8.2 Lyssavirus (rabies) in animals

### 3.8.2.1 Lyssavirus (rabies) in animal - Dogs

#### Monitoring system

##### Sampling strategy

Sampling strategy is targeted at 4 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. Dogs and cats that are going to travel to United Kingdom, Ireland, Sweden, Norway and Malta. Samples are taken by private clinics and analysis performed by an approved laboratory 4. Studies including active surveillance of LB in bats

## Frequency of the sampling

Indeterminated

## 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, be submerged in saline serum and glicerine in 50% solution and envolded 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 Decision No. 2119/98/EC of the European Parliament and of the Council, Commission Decision 2002/253/EC and Commission Decision 2002/543/EC

## Diagnostic/analytical methods used

Fluorescent Antibody Test (FAT), Polymerase Chain Reaction followed by DNA sequencing genomic areas, ELISA

## Vaccination policy

Compulsory vaccination of dogs in 12 regions, Ceuta and Melilla. Voluntary vaccination of dogs in 5 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.

## Notification system in place

Since 1952, at least, by Epizootic Law. At the moment by Animal Health Law 8/2003.

## Results of the investigation

## 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.

### Relevance of the findings in animals to findings in foodstuffs and to human cases (as a source of infection)

High

### Additional information

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.

## 3.9 Q-FEVER

### 3.9.1 General evaluation of the national situation

#### 3.9.1.1 Coxiella (Q-fever) - general evaluation

##### History of the disease and/or infection in the country

Q fever is a zoonosis with widely extended in the world.

##### National evaluation of the recent situation, the trends and sources of infection

Q fever cases and outbreak in Spain are reported to the National Epidemiological Surveillance Network. Q fever was a notifiable disease in some Spanish regions, since 2015 it is a mandatory disease in all the Spanish regions.

## 3.10 TOXOPLASMA

### 3.10.1 General evaluation of the national situation

#### 3.10.1.1 Toxoplasma - general evaluation

##### History of the disease and/or infection in the country

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 fertilitation 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 prevalences between 12-45% in sheep; between 11- 42% in pig; and between 14-36% in cattle. More recent studies seem prevalences 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%.

## National evaluation of the recent situation, the trends and sources of infection

Main sources of infection for humans are cats and consumption of meat insufficiently cooked.

## Relevance of the findings in animals, feedingstuffs and foodstuffs to human cases (as a source of infection)

More studies need to be developed about incidence of congenital toxoplasmosis.

## Recent actions taken to control the zoonoses

Surveillance according to Directive 2003/99/EC Primary prevention of the disease with recommendations to prevent infection during pregnancy in humans

## 4 ANTIMICROBIAL RESISTANCE INFORMATION ON SPECIFIC ZONOSEs AND ZONOTIC AGENTS

### 4.1 SALMONELLOSIS

#### 4.1.1 Salmonella in animals

##### 4.1.1.1 Antimicrobial resistance in Salmonella Cattle (bovine animals)

#### Sampling strategy used in monitoring

##### Frequency of the sampling

see text form on Salmonella spp. in bovine animals

##### Type of specimen taken

see text form on Salmonella spp. in bovine animals

##### Methods of sampling (description of sampling techniques)

see text form on Salmonella spp. in bovine animals

#### Laboratory methodology used for identification of the microbial isolates

see text form on Salmonella spp. in bovine animals

#### Laboratory used for detection for resistance

##### Antimicrobials included in monitoring

see table on antimicrobial resistance Salmonella in animals

##### 4.1.1.2 Antimicrobial resistance in Salmonella Pigs

#### Sampling strategy used in monitoring

##### Frequency of the sampling

There has been a specific monitoring programme for antimicrobial surveillance running from 1999 at national level in Spain. These national active monitoring programme are performed in fattening pigs at slaughterhouse. For more information on the frequency of sampling, please, see text forms on Salmonella in pigs.

##### Methods of sampling (description of sampling techniques)

See text forms on Salmonella in pigs.

## Laboratory methodology used for identification of the microbial isolates

See text forms on Salmonella in pigs.

### 4.1.1.3 Antimicrobial resistance in Salmonella Poultry, unspecified

#### Sampling strategy used in monitoring

##### Frequency of the sampling

Following Commission Implementin Decisions 2013/652/EU and 2013/653/EU

##### 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) 584/2008 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) 584/2008 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

Following Commission Implementin Decisions 2013/652/EU and 2013/653/EU

##### Methods used for collecting data

Following Commission Implementin Decisions 2013/652/EU and 2013/653/EU

## Laboratory methodology used for identification of the microbial isolates

Laying hens: following point 3 of the Annex of Commission Regulation (EC) No 517/2011. Broilers: point 3 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 the Annex of Commission Regulation (EC) 584/2008 as regards a Community target for the reduction of the prevalence of Salmonella Enteritidis and Salmonella Typhimurium in turkeys.

#### Laboratory used for detection for resistance

##### Antimicrobials included in monitoring

Following Commission Implementin Decisions 2013/652/EU and 2013/653/EU

##### Cut-off values used in testing

Following Commission Implementin Decisions 2013/652/EU and 2013/653/EU



## 4.2 CAMPYLOBACTERIOSIS

### 4.2.1 Campylobacter in animals

#### 4.2.1.1 Antimicrobial resistance in Campylobacter spp., unspecified Turkeys

##### Sampling strategy used in monitoring

###### Frequency of the sampling

According to Commission Implementing Decisions 2013/652/EU and 2013/653/EU and EFSA Technical Specifications.

###### Type of specimen taken

According to Commission Implementing Decisions 2013/652/EU and 2013/653/EU and EFSA Technical Specifications.

###### Methods of sampling (description of sampling techniques)

According to Commission Implementing Decisions 2013/652/EU and 2013/653/EU and EFSA Technical Specifications.

###### Procedures for the selection of isolates for antimicrobial testing

According to Commission Implementing Decisions 2013/652/EU and 2013/653/EU and EFSA Technical Specifications.

###### Methods used for collecting data

According to Commission Implementing Decisions 2013/652/EU and 2013/653/EU and EFSA Technical Specifications.

##### Laboratory methodology used for identification of the microbial isolates

see text form on thermophilic Campylobacter in Turkeys

##### Laboratory used for detection for resistance

###### Antimicrobials included in monitoring

According to Commission Implementing Decisions 2013/652/EU and 2013/653/EU and EFSA Technical Specifications.

###### Cut-off values used in testing

According to Commission Implementing Decisions 2013/652/EU and 2013/653/EU and EFSA Technical Specifications.

## 4.3 ESCHERICHIA COLI, NON-PATHOGENIC

### 4.3.1 Escherichia coli, non-pathogenic in animals

#### 4.3.1.1 Antimicrobial resistance in E.coli, non-pathogenic, unspecified

##### Sampling strategy used in monitoring

###### Frequency of the sampling

Monitoring programme in calves and fattening pigs following Commission Implementing Decisions 2013/652/EU. Fattening pigs: Samples have been taken randomly (day of each month) in 20 slaughterhouses (distribution of the number of samples according to the capacity of sacrifice of each slaughterhouse) placed in different regions of Spain and representative of the total volume of sacrifice of the country ( 58%) in the year 2015. Calves: Samples have been taken randomly (day of sampling each month) in 17 slaughterhouses (distribution of the samples according to the capacity of sacrifice of each slaughterhouse) placed in different regions of Spain and representative of the total volume of sacrifice of the country (58,5%).

###### Type of specimen taken

Faeces

###### Methods of sampling (description of sampling techniques)

Monitoring programme in calves and fattening pigs following Commission Implementing Decision 2013/652/EU and EFSA's Technical specifications.

###### Procedures for the selection of isolates for antimicrobial testing

According to EFSA technical specifications and Commission Implementing Decisions 2013/652/EU.

###### Methods used for collecting data

According to EFSA technical specifications and Commission Implementing Decisions 2013/652/EU

###### Laboratory methodology used for identification of the microbial isolates

According to EFSA technical specifications and Commission Implementing Decisions 2013/652/EU

###### Laboratory used for detection for resistance

###### Antimicrobials included in monitoring

According to EFSA technical specifications and Commission Implementing Decisions 2013/652/EU

###### Cut-off values used in testing

According to EFSA technical specifications and Commission Implementing Decisions 2013/652/EU

## 5 FOODBORNE OUTBREAKS

Foodborne outbreaks are incidences of two or more human cases of the same disease or infection where the cases are linked or are probably linked to the same food source. Situation, in which the observed human cases exceed the expected number of cases and where a same food source is suspected, is also indicative of a foodborne outbreak.

### 5.1 Outbreaks

#### 5.1.1 Foodborne outbreaks

##### System in place for identification, epidemiological investigations and reporting of foodborne outbreaks

The National Epidemiological Surveillance Network was created by Royal Decree 2210/1995, December 25th,. The outbreak system is a basic system within this Network.. In Spain the Autonomous Regions have wide powers with respect to epidemiological surveillance and national decisions are usually taken by consensus. All practising doctors are obliged to notify any outbreaks, both those in the public health service and in private practice. On occasions the appearance of cases and outbreaks is detected by other means (from the mass media, from citizens complaints, etc.) and in these cases the information is checked and if confirmed it is incorporated into the system at the corresponding level. All the outbreaks must be reported immediately at the regional level. At the national level it is obligatory to report immediately only those outbreaks which, by law, are defined as being supra-regional (considered to be of national interest) in order to facilitate their rapid control, whereas the rest of the outbreaks are reported quarterly. In 1997 a uniform outbreak reporting format (variables and codification) was developed in all of Spain in accordance with the one recommended by the WHO Programme. The report includes relevant information such as agent, food involved, place of consumption and contributing factors. The results of the statistical and epidemiological analysis are disseminated. The weekly national epidemiological bulletin can be found at: <http://revista.isciii.es/index.php/bes>

##### Description of the types of outbreaks covered by the reporting:

The Spanish System covers all type of outbreaks, household, general and international outbreaks

##### National evaluation of the reported outbreaks in the country:

###### Trends in numbers of outbreaks and numbers of human cases involved

In 2013 652 food-borne outbreaks has been reported to the National Epidemiological Surveillance Network in Spain.

###### Relevance of the different causative agents, food categories and the agent/food category combinations

Salmonella is the agent more frequently involved in foodborne outbreak. The most frequent food item mentioned was eggs and eggs products

###### Relevance of the different type of places of food production and preparation in outbreaks

The place of consumption of the involved food was, mainly, restaurant or caf or pub or bar or hotel or catering and being the cross-contamination the contributor factor more frequently mentioned

###### 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 autonomous regions.

## ANIMAL POPULATION TABLES

Table Susceptible animal population

Animal species	Category of animals	Population	
		holding	animal
Cattle (bovine animals)	Cattle (bovine animals) - calves (under 1 year) (not specified)	22,673	2,337,470
	Cattle (bovine animals) - dairy cows and heifers	19,101	866,935
	Cattle (bovine animals) - meat production animals (not specified)	87,774	2,093,895
	Cattle (bovine animals) - mixed herds	0	0
	Cattle (bovine animals) (not specified)	129,548	5,298,300
Ducks	Ducks - breeding flocks, unspecified (not specified)	3	26,019
Gallus gallus (fowl)	Gallus gallus (fowl) - breeding flocks, unspecified (not specified)	538	7,746,160
	Gallus gallus (fowl) - broilers (not specified)	4,940	256,565,806
	Gallus gallus (fowl) - grandparent breeding flocks, unspecified - unspecified	35	18,862,601
	Gallus gallus (fowl) - laying hens (not specified)	1,195	45,601,622
	Gallus gallus (fowl) - parent breeding flocks, unspecified - unspecified	382	26,207,038
Geese	Geese - breeding flocks, unspecified (not specified)	3	260
Goats	Goats (not specified)	75,065	6,827,857
Pigs	Pigs - breeding animals - unspecified - sows and boars	348	2,205,933
	Pigs - breeding animals (not specified)	4,294	4,420,188
	Pigs - fattening pigs (not specified)	51,615	18,074,302
	Pigs - mixed herds (not specified)	13,790	4,743,584
	Pigs (not specified)	70,047	29,444,007
Sheep	Sheep (not specified)	110,943	29,827,358
Solipeds, domestic	Solipeds, domestic - horses	187,731	632,341
Turkeys	Turkeys - breeding flocks, unspecified (not specified)	52	109,863
	Turkeys - meat production flocks (not specified)	702	6,683,073

## DISEASE STATUS TABLES

Table Bovine brucellosis - data on animals - Community co-financed eradication programmes

Region	Total number of animals slaughtered	Number of positive animals slaughtered	Number of positive animals	Number of animals tested individually	Number of animals tested	Number of animals to be tested under the program	Total number of animals
España	1,381	232	201	3,611,098	3,928,636	4,374,552	6,135,720
Galicia	1	0	0	680,695	680,695	908,463	958,362
Principado De Asturias	3	0	0	284,503	284,503	284,503	387,875
Cantabria	107	10	10	233,534	233,534	233,534	286,095
País Vasco	0	0	0	73,339	81,938	81,938	136,127
Comunidad Foral De Navarra	1	1	0	72,442	72,442	72,502	115,934
La Rioja	0	0	0	19,949	19,949	19,949	39,297
Aragón	5	5	0	76,669	76,669	77,527	326,626
Comunidad De Madrid (*)	8	0	0	53,090	53,090	53,090	87,569
Castilla Y León	1,098	115	117	796,602	1,086,697	1,086,697	1,204,920
Castilla-La Mancha	38	0	0	166,293	166,293	166,374	412,222
Extremadura	111	101	74	554,054	560,447	587,611	883,956
Cataluña	9	0	0	201,820	201,820	202,736	598,884
Comunidad Valenciana	0	0	0	22,214	22,214	49,338	51,256
Illes Balears	0	0	0	2,293	14,615	14,615	28,895
Andalucía	0	0	0	369,148	369,148	531,093	531,093
Región De Murcia	0	0	0	888	888	888	68,980
Canarias (*)	0	0	0	3,565	3,694	3,694	17,629

Table Ovine or Caprine brucellosis - data on status of herds at the end of the period - Community co-financed eradication programmes

Region	Number of animals with status officially free, at the end of the period	Number of herds with status officially free, at the end of the period	Number of animals with status free, at the end of the period	Number of herds with status free, at the end of the period	Number of animals with status free or officially free suspended, at the end of the period	Number of herds with status free or officially free suspended, at the end of the period	Number of animals with status not free or not officially free and last check negative, at the end of the period	Number of herds with status not free or not officially free and last check negative, at the end of the period	Number of animals with status not free or not officially free and last check positive, at the end of the period	Number of herds with status not free or not officially free and last check positive, at the end of the period	Number of animals with unknown status, at the end of the period	Number of herds with unknown status, at the end of the period
España	14,444,676	80,264	3,103,282	12,890	46,701	134	130,709	1,181	31,834	58	18,443	415
Galicia	0	0	0	0	0	0	0	0	0	0	0	0
Principado De Asturias	96,090	8,301	0	0	0	0	0	0	0	0	0	0
Cantabria	94,037	6,012	0	0	840	2	0	0	0	0	0	0
País Vasco	259,843	8,458	0	0	0	0	0	0	0	0	0	0
Comunidad Foral De Navarra	527,280	2,520	0	0	125	1	0	0	0	0	0	0
La Rioja	124,208	410	0	0	79	1	0	0	0	0	0	0
Aragón	1,324,464	3,513	0	0	10,646	49	0	0	0	0	0	0
Comunidad De Madrid (*)	68,953	428	15,047	195	0	0	1,940	60	0	0	0	0
Castilla Y León	3,183,742	12,520	0	0	0	0	573	2	0	0	252	9
Castilla-La Mancha	2,404,717	5,227	518,907	1,349	993	5	5,292	12	3,122	10	0	0
Extremadura	3,712,794	15,496	4,387	9	0	0	0	1	0	0	0	0
Cataluña	463,697	3,451	842	2	14	4	1,576	119	415	1	131	16
Comunidad Valenciana	268,189	1,217	34,504	124	0	0	2,860	8	0	0	0	0
Illes Balears	322,311	4,292	0	0	0	0	0	0	0	0	0	0
Andalucía	1,235,874	6,355	2,017,970	9,696	33,796	70	91,080	776	26,853	44	17,504	356
Región De Murcia	99,924	189	511,625	1,515	208	2	27,388	203	1,444	3	556	34
Canarias (*)	258,553	1,875	0	0	0	0	0	0	0	0	0	0

Table Ovine or Caprine brucellosis - data on herds - Community co-financed eradication programmes

Region	Total number of herds	Number of depopulated herds	Number of new positive herds	Number of positive herds	Number of herds under the program tested/checked	Number of herds under the program
España	119,875	5	53	77	68,054	117,495
Galicia	21,463	0	0	0	7,951	21,463
Principado De Asturias	8,301	0	0	0	1,162	8,301
Cantabria	6,014	0	0	0	315	6,014
País Vasco	8,458	0	0	0	4,238	8,458
Comunidad Foral De Navarra	2,521	0	0	0	448	2,521
La Rioja	432	0	0	0	154	411
Aragón	3,562	0	0	0	3,513	3,562
Comunidad De Madrid (*)	691	0	0	0	683	683
Castilla Y León	11,395	0	0	0	2,454	11,395
Castilla-La Mancha	6,603	1	24	30	6,421	6,603
Extremadura	18,128	2	1	2	15,270	15,985
Cataluña	3,720	0	0	1	3,576	3,596
Comunidad Valenciana	1,353	0	0	0	1,278	1,353
Illes Balears	4,292	0	0	0	929	4,292
Andalucía	19,044	2	25	41	17,305	18,991
Región De Murcia	2,023	0	3	3	1,847	1,992
Canarias (*)	1,875	0	0	0	510	1,875

Table Ovine or Caprine brucellosis - data on animals - Community co-financed eradication programmes

Region	Total number of animals slaughtered	Number of positive animals slaughtered	Number of positive animals	Number of animals tested individually	Number of animals tested	Number of animals to be tested under the program	Total number of animals
España	4,417	1,230	1,218	7,412,137	10,416,947	12,424,598	18,112,071
Galicia	0	0	0	79,560	79,560	88,044	242,779
Principado De Asturias	0	0	0	10,242	10,242	10,242	96,090
Cantabria	8	0	0	17,807	17,807	17,807	94,877
País Vasco	0	0	0	89,068	89,068	89,068	259,843
Comunidad Foral De Navarra	1	1	0	36,380	36,380	78,355	527,405
La Rioja	0	0	0	16,051	42,157	42,157	124,496
Aragón	33	33	0	1,324,364	1,324,364	1,324,364	1,375,592
Comunidad De Madrid (*)	4	0	0	85,960	85,960	85,960	87,632
Castilla Y León	87	0	0	442,694	442,694	442,694	3,202,133
Castilla-La Mancha	102	102	102	1,160,652	1,160,652	2,933,031	2,933,031
Extremadura	780	111	114	1,172,731	2,933,868	2,997,410	3,816,471
Cataluña	25	27	29	437,574	464,634	464,791	525,494
Comunidad Valenciana	45	0	0	230,432	287,457	307,125	307,125
Illes Balears	0	0	0	24,394	44,040	44,040	322,311
Andalucía	3,260	884	884	2,018,764	2,529,564	2,626,118	3,233,202
Región De Murcia	72	72	89	229,264	637,723	642,615	705,037
Canarias (*)	0	0	0	36,200	230,777	230,777	258,553



Table Bovine brucellosis - data on status of herds at the end of the period - Community co-financed eradication programmes

Region	Number of animals with status officially free, at the end of the period	Number of herds with status officially free, at the end of the period	Number of animals with status free, at the end of the period	Number of herds with status free, at the end of the period	Number of animals with status free or officially free suspended, at the end of the period	Number of herds with status free or officially free suspended, at the end of the period	Number of animals with status not free or not officially free and last check negative, at the end of the period	Number of herds with status not free or not officially free and last check negative, at the end of the period	Number of animals with status not free or not officially free and last check positive, at the end of the period	Number of herds with status not free or not officially free and last check positive, at the end of the period	Number of animals with unknown status, at the end of the period	Number of herds with unknown status, at the end of the period
España	5,866,056	115,256	28,102	368	7,856	87	16,889	454	2,089	15	983	67
Galicia	959,407	37,868	0	0	0	0	559	78	0	0	0	0
Principado De Asturias	392,747	17,299	0	0	0	0	494	90	0	0	0	0
Cantabria	232,683	7,209	0	0	654	9	30	1	167	2	0	0
País Vasco	136,127	5,846	0	0	0	0	0	0	0	0	0	0
Comunidad Foral De Navarra	115,823	1,591	0	0	111	1	0	0	0	0	0	0
La Rioja	39,297	319	0	0	0	0	0	0	0	0	0	0
Aragón	325,819	2,990	0	0	103	6	0	0	0	0	0	0
Comunidad De Madrid (*)	53,090	1,440	0	0	0	0	0	0	0	0	0	0
Castilla Y León	1,157,979	14,277	23,500	344	0	0	3,092	62	1,674	11	315	10
Castilla-La Mancha	412,222	3,146	0	0	0	0	0	0	0	0	0	0
Extremadura	813,625	9,195	4,602	24	6,651	63	12,062	197	248	2	0	0
Cataluña	593,619	5,015	0	0	337	8	0	0	0	0	0	0
Comunidad Valenciana	48,173	572	0	0	0	0	0	0	0	0	2	1
Illes Balears	28,855	566	0	0	0	0	0	0	0	0	0	0
Andalucía	469,981	6,664	0	0	0	0	652	26	0	0	666	56
Región De Murcia	68,980	369	0	0	0	0	0	0	0	0	0	0
Canarias (*)	17,629	890	0	0	0	0	0	0	0	0	0	0

Table Bovine brucellosis - data on herds - Community co-financed eradication programmes

Region	Total number of herds	Number of depopulated herds	Number of new positive herds	Number of positive herds	Number of herds under the program tested/checked	Number of herds under the program
España	120,329	6	32	47	107,204	119,061
Galicia	39,625	0	0	0	32,754	39,620
Principado De Asturias	17,834	0	0	0	17,834	17,834
Cantabria	7,285	0	2	6	7,221	7,221
País Vasco	5,846	0	0	0	4,542	5,846
Comunidad Foral De Navarra	1,592	0	0	0	1,590	1,592
La Rioja	319	0	0	0	319	319
Aragón	3,039	0	0	0	2,991	2,996
Comunidad De Madrid (*)	1,440	0	0	0	1,440	1,440
Castilla Y León	14,919	5	16	26	14,257	14,257
Castilla-La Mancha	3,146	0	0	0	2,314	3,146
Extremadura	10,721	1	14	15	9,468	10,244
Cataluña	5,038	0	0	0	5,025	5,037
Comunidad Valenciana	609	0	0	0	472	593
Illes Balears	567	0	0	0	270	567
Andalucía	7,090	0	0	0	6,300	7,090
Región De Murcia	369	0	0	0	16	369
Canarias (*)	890	0	0	0	391	890

## DISEASE STATUS TABLES

Table Bovine tuberculosis - data on status of herds at the end of the period - Community co-financed eradication programmes

Region	Number of animals with status officially free, at the end of the period	Number of herds with status officially free, at the end of the period	Number of animals with status free, at the end of the period	Number of herds with status free, at the end of the period	Number of animals with status free or officially free suspended, at the end of the period	Number of herds with status free or officially free suspended, at the end of the period	Number of animals with status not free or not officially free and last check negative, at the end of the period	Number of herds with status not free or not officially free and last check negative, at the end of the period	Number of animals with status not free or not officially free and last check positive, at the end of the period	Number of herds with status not free or not officially free and last check positive, at the end of the period	Number of animals with unknown status, at the end of the period	Number of herds with unknown status, at the end of the period
España	5,388,839	110,095	0	0	51,918	620	186,342	2,069	239,358	1,845	2,668	114
Galicia	957,913	37,907	0	0	762	25	21	1	1,270	13	0	0
Principado De Asturias	370,304	16,495	0	0	5,243	138	1,265	258	5	2	0	0
Cantabria	271,256	7,027	0	0	5,294	117	1,066	19	3,357	58	0	0
País Vasco	135,656	5,842	0	0	0	0	184	1	287	3	0	0
Comunidad Foral De Navarra	94,359	1,586	0	0	1,151	4	61	1	405	1	0	0
La Rioja	32,487	275	0	0	80	2	804	7	22	1	0	0
Aragón	322,565	3,021	0	0	0	0	532	4	2,825	14	0	0
Comunidad De Madrid (*)	78,805	1,403	0	0	0	0	292	7	3,648	38	0	0
Castilla Y León	1,084,474	13,890	0	0	0	0	42,008	359	60,078	449	0	6
Castilla-La Mancha	262,078	2,197	0	0	991	14	10,258	101	18,118	133	0	0
Extremadura	649,614	7,975	0	0	24,416	184	84,767	778	78,268	545	2	1
Cataluña	589,148	4,973	0	0	1,844	23	815	4	733	9	0	0
Comunidad Valenciana	45,985	547	0	0	3,711	25	0	0	0	0	2	1
Illes Balears	28,721	560	0	0	10	1	71	3	53	2	0	0
Andalucía	380,388	5,146	0	0	8,416	87	43,522	519	69,442	576	2,664	106
Región De Murcia	67,457	361	0	0	0	0	676	7	847	1	0	0
Canarias (*)	17,629	890	0	0	0	0	0	0	0	0	0	0

Table Bovine tuberculosis - data on herds - Community co-financed eradication programmes

Region	Total number of herds	Number of depopulated herds	Number of new positive herds	Number of positive herds	Number of herds under the program tested/checked	Number of herds under the program
España	120,421	117	2,204	3,070	109,063	117,266
Galicia	39,625	11	18	28	33,118	39,620
Principado De Asturias	17,834	17	38	50	17,574	17,574
Cantabria	7,285	1	70	100	7,221	7,221
País Vasco	5,846	1	6	8	4,926	5,846
Comunidad Foral De Navarra	1,592	1	3	8	1,590	1,592
La Rioja	319	0	7	8	285	285
Aragón	3,039	0	18	24	2,955	3,039
Comunidad De Madrid (*)	1,440	5	26	54	1,398	1,398
Castilla Y León	14,919	25	171	275	14,257	14,257
Castilla-La Mancha	3,149	4	85	180	2,360	2,453
Extremadura	10,721	7	980	1,168	9,552	9,691
Cataluña	5,038	2	10	16	5,025	5,037
Comunidad Valenciana	608	1	11	14	513	592

Region	Total number of herds	Number of depopulated herds	Number of new positive herds	Number of positive herds	Number of herds under the program tested/checked	Number of herds under the program
Illes Balears	567	1	1	3	496	567
Andalucía	7,180	41	754	1,128	6,542	6,835
Región De Murcia	369	0	6	6	361	369
Canarias (*)	890	0	0	0	890	890

Table Bovine tuberculosis - data on animals - Community co-financed eradication programmes

Region	Total number of animals slaughtered	Number of positive animals slaughtered	Number of positive animals	Number of animals tested individually	Number of animals tested	Number of animals to be tested under the program	Total number of animals
España	39,252	28,502	28,090	4,969,252	5,067,111	5,236,187	6,158,760
Galicia	1,581	169	172	834,813	834,813	910,022	958,362
Principado De Asturias	1,718	982	987	383,768	383,768	383,768	387,875
Cantabria	1,846	1,089	1,090	280,973	280,973	280,973	286,095
País Vasco	167	47	43	105,439	105,439	105,439	136,127
Comunidad Foral De Navarra	125	125	50	95,766	95,766	95,926	115,934
La Rioja	113	114	114	33,393	33,393	33,393	39,297
Aragón	658	658	91	109,460	109,460	109,579	325,941
Comunidad De Madrid (*)	853	680	680	83,098	83,098	83,098	87,567
Castilla Y León	6,148	1,713	1,787	1,086,352	1,086,352	1,086,352	1,204,920
Castilla-La Mancha	2,504	2,365	2,365	273,157	273,157	274,318	412,226
Extremadura	8,631	8,417	8,568	770,409	775,431	838,985	883,658
Cataluña	311	227	227	249,354	342,191	343,016	598,884
Comunidad Valenciana	281	254	254	35,158	35,158	49,218	51,136
Illes Balears	62	10	10	22,936	22,936	22,978	28,895
Andalucía	13,993	11,395	11,395	543,013	543,013	555,041	555,234
Región De Murcia	257	257	257	45,706	45,706	46,452	68,980
Canarias (*)	4	0	0	16,457	16,457	17,629	17,629

PREVALENCE TABLES

Table BRUCELLA in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Cattle (bovine animals) - unspecified - Slaughterhouse - Spain - - Control and eradication programmes - Official sampling - Objective sampling	animal	35363	12	Brucella - B. abortus	12
	Cattle (bovine animals) - unspecified - Unspecified - Spain - - Control and eradication programmes - Official sampling - Objective sampling	animal	165116	22	Brucella - B. abortus	22
	Cattle (bovine animals) (not specified) - Slaughterhouse - European Union - animal sample (not specified) - Monitoring - active - Official sampling - Objective sampling	slaughter batch	206	0	Brucella - B. abortus	0
	Cattle (bovine animals) (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Monitoring - active - Official sampling - Objective sampling	slaughter batch	97775	0	Brucella - B. abortus	0
	Cattle (bovine animals) (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Surveillance - Official sampling - Census	animal	57231	0	Brucella	0
	Deer - wild - fallow deer - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling	animal	45	0	Brucella	0
	Deer - wild - red deer - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling	animal	530	0	Brucella	0
	Deer - wild - roe deer - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling	animal	46	0	Brucella	0
	Goats (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Monitoring - active - Official sampling - Objective sampling	slaughter batch	28472	0	Brucella - B. melitensis	0
	Goats (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Surveillance - Official sampling - Census	animal	3222	0	Brucella	0
	Mouflons - wild - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling	animal	8	0	Brucella	0
	Pigs - breeding animals - not raised under controlled housing conditions (not specified) - Slaughterhouse - Spain - - Control and eradication programmes - Official sampling - Census	animal	861	0	Brucella - B. suis	0
	Pigs (not specified) - Farm (not specified) - Spain - animal sample (not specified) - Monitoring - active - Official sampling - Selective sampling	animal	1536	0	Brucella - B. suis	0
	Pigs (not specified) - Slaughterhouse - European Union - animal sample (not specified) - Monitoring - active - Official sampling - Objective sampling	slaughter batch	19116	0	Brucella - B. suis	0
	Pigs (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Monitoring - active - Official sampling - Objective sampling	slaughter batch	864718	0	Brucella - B. suis	0
	Sheep (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Monitoring - active - Official sampling - Objective sampling	slaughter batch	143412	0	Brucella - B. melitensis	0
	Sheep (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Surveillance - Official sampling - Census	animal	9128	0	Brucella	0
	Sheep and goats - Slaughterhouse - Spain - - Control and eradication programmes - Official sampling - Objective sampling	animal	1172	0	Brucella - B. melitensis	0
	Wild boars - wild - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling	animal	2381	184	Brucella - B. suis - biovar 2	184

Table BRUCELLA in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Cheeses made from cows' milk - fresh - made from pasteurised milk - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	100	Gram	10	0	Brucella	0

Table CAMPYLOBACTER in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Cattle (bovine animals) - calves (under 1 year) (not specified) - Slaughterhouse - Spain - animal sample - caecum - Monitoring - EFSA specifications - Official sampling - Objective sampling	slaughter batch	367	135	Campylobacter - C. coli	22
					Campylobacter - C. jejuni	113
	Pigs - fattening pigs (not specified) - Slaughterhouse - Spain - animal sample - caecum - Monitoring - EFSA specifications - Official sampling - Objective sampling	slaughter batch	373	177	Campylobacter - C. coli	170
					Campylobacter - C. jejuni	7
	Sheep (not specified) - Farm (not specified) - Spain - animal sample - caecum - Monitoring - active - Official sampling - Objective sampling	herd/flock	54	46	Campylobacter - C. coli	8
					Campylobacter - C. jejuni	27
Campylobacter - Campylobacter spp., unspecified					16	

Table 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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Bakery products - desserts (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Campylobacter	0
	Bakery products (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Campylobacter	0
	Cheeses made from cows' milk - unspecified (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	7	0	Campylobacter	0
	Cheeses made from cows' milk - unspecified (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	2	0	Campylobacter	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Campylobacter	0
	Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	12	0	Campylobacter	0
	Cheeses made from goats' milk (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	3	0	Campylobacter	0
	Dairy products (excluding cheeses) - yoghurt - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Campylobacter	0
	Eggs (not specified) - Packing centre (not specified) - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Campylobacter	0
	Fish - raw - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Campylobacter	0
	Fish - smoked (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Campylobacter	0
	Fish - smoked (not specified) - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Campylobacter	0
	Meat from bovine animals - carcass (not specified) - Slaughterhouse - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	6	3	Campylobacter - C. coli	1
							Campylobacter - C. jejuni	1
							Campylobacter - C. upsaliensis	1
	Meat from bovine animals - fresh - frozen - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	2	Campylobacter	2
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	2	0	Campylobacter	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	10	0	Campylobacter	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	4	0	Campylobacter	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	2	0	Campylobacter	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	8	0	Campylobacter	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	3	0	Campylobacter	0
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Campylobacter	0
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Campylobacter	0
	Meat from bovine animals and pig - minced meat - intended to be eaten cooked - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Campylobacter	0
	Meat from broilers (Gallus gallus) - carcass - chilled - Slaughterhouse - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	32	20	Campylobacter	3
							Campylobacter - C. coli	6
							Campylobacter - C. jejuni	11
	Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	1	Campylobacter	0
							Campylobacter - C. coli	1



Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Meat from broilers (Gallus gallus) - fresh - chilled - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	5	3	Campylobacter	0
							Campylobacter - C. coli	3
	Meat from broilers (Gallus gallus) - fresh - frozen - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	11	1	Campylobacter	0
							Campylobacter - C. coli	1
	Meat from broilers (Gallus gallus) - fresh - frozen - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Campylobacter	0
	Meat from broilers (Gallus gallus) - fresh - frozen - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	5	1	Campylobacter	0
							Campylobacter - C. jejuni	1
	Meat from broilers (Gallus gallus) - fresh - skinned - Slaughterhouse - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	25	Gram	38	20	Campylobacter - C. coli	6
							Campylobacter - C. jejuni	14
	Meat from broilers (Gallus gallus) - fresh (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	2	1	Campylobacter	1
	Meat from broilers (Gallus gallus) - fresh (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	8	4	Campylobacter	4
	Meat from broilers (Gallus gallus) - fresh (not specified) - Retail - Spain - food sample - meat - Surveillance - Official sampling - Objective sampling	single	25	Gram	60	14	Campylobacter - C. coli	11
							Campylobacter - C. jejuni	3
	Meat from broilers (Gallus gallus) - fresh (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	100	59	Campylobacter - C. coli	4
							Campylobacter - C. jejuni	55
	Meat from broilers (Gallus gallus) - fresh (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	100	Gram	2	2	Campylobacter	2
	Meat from broilers (Gallus gallus) - fresh (not specified) - Wholesale - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	100	Gram	5	4	Campylobacter	4
	Meat from broilers (Gallus gallus) - fresh (not specified) - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	100	Gram	3	1	Campylobacter	1
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Campylobacter	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Campylobacter - C. coli	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	7	0	Campylobacter	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Campylobacter - C. coli	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Spain - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	100	Gram	11	7	Campylobacter - C. coli	3
							Campylobacter - C. jejuni	4
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked (not specified) - Retail - Spain - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	100	Gram	26	13	Campylobacter - C. coli	7
							Campylobacter - C. jejuni	6
	Meat from broilers (Gallus gallus) - meat preparation (not specified) - Wholesale - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	100	Gram	1	0	Campylobacter	0
	Meat from broilers (Gallus gallus) - minced meat - intended to be eaten cooked - chilled - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	2	1	Campylobacter - C. coli	1
	Meat from broilers (Gallus gallus) - offal - liver - chilled - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	1	Campylobacter - C. coli	1
	Meat from broilers (Gallus gallus) (not specified) - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	1	0	Campylobacter	0
Meat from broilers (Gallus gallus) (not specified) - Retail - Spain - food sample - meat - Monitoring - Official sampling - Objective sampling	single	100	Gram	71	5	Campylobacter	5	
Meat from duck - carcass (not specified) - Slaughterhouse - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Campylobacter	0	
Meat from goat - carcass (not specified) - Slaughterhouse - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	3	1	Campylobacter - C. jejuni	1	
Meat from other animal species or not specified - offal (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	1	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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Meat from other poultry species - carcass - chilled - Slaughterhouse - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	25	Gram	5	5	Campylobacter - C. jejuni	4
							Campylobacter - Campylobacter spp., unspecified	1
	Meat from other poultry species - meat products - cooked, ready-to-eat (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Campylobacter	0
	Meat from pig - carcass (not specified) - Slaughterhouse - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Campylobacter	0
	Meat from pig - carcass (not specified) - Slaughterhouse - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	14	10	Campylobacter - C. coli	3
Campylobacter - C. jejuni							5	
Campylobacter - C. upsaliensis							2	
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	1	Campylobacter	1
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Campylobacter	0
	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	5	0	Campylobacter	0
	Meat from pig - meat products - fermented sausages - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Campylobacter	0
	Meat from pig - meat products - fermented sausages - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Campylobacter	0
	Meat from pig - meat products - fresh raw sausages - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Campylobacter	0
	Meat from pig - meat products - meat specialties - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	8	0	Campylobacter	0
	Meat from pig - meat products - raw and intended to be eaten raw - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Campylobacter	0
	Meat from pig - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Campylobacter	0
	Meat from pig - meat products - raw but intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Campylobacter	0
	Meat from pig - meat products - raw but intended to be eaten cooked (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	2	0	Campylobacter	0
	Meat from pig - meat products - raw but intended to be eaten cooked (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	12	0	Campylobacter	0
	Meat from pig - minced meat - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	1	Campylobacter	1
	Meat from pig (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	2	0	Campylobacter	0
	Meat from pig (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Campylobacter	0
	Meat from poultry, unspecified - carcass (not specified) - Slaughterhouse - Spain - - Surveillance - Official sampling - Not specified	slaughter batch		NOT AVAILABLE	23	7	Campylobacter - Campylobacter spp., unspecified	7
	Meat from poultry, unspecified - fresh (not specified) - Wholesale - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	100	Gram	2	2	Campylobacter	2
	Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Campylobacter	0
	Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	19	3	Campylobacter	3
	Meat from sheep - carcass - chilled - Slaughterhouse - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	7	4	Campylobacter - C. coli	1
Campylobacter - C. jejuni							3	
	Meat from sheep - meat preparation - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Meat from spent hens (Gallus gallus) - fresh - laying hens - Slaughterhouse - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	25	Gram	4	0	Campylobacter - C. coli	0
	Meat from turkey - carcase (not specified) - Slaughterhouse - Spain - - Surveillance - Official sampling - Not specified	slaughter batch		NOT AVAILABLE	4	2	Campylobacter - Campylobacter spp., unspecified	2
	Meat from turkey - fresh - chilled - Slaughterhouse - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	25	Gram	1	0	Campylobacter - C. coli	0
	Meat from turkey - fresh (not specified) - Wholesale - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	100	Gram	3	0	Campylobacter	0
	Meat from turkey - meat preparation - intended to be eaten cooked (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	4	0	Campylobacter	0
	Meat from turkey - meat products - preserved - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Campylobacter	0
	Other processed food products and prepared dishes - egg based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Campylobacter	0
	Other processed food products and prepared dishes - meat based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Campylobacter	0
	Other processed food products and prepared dishes - meat based dishes - Retail - Spain - food sample - meat - Monitoring - Official sampling - Objective sampling	single	100	Gram	71	0	Campylobacter	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	100	Gram	9	0	Campylobacter	0
	Other processed food products and prepared dishes - unspecified (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	10	0	Campylobacter	0
	Other processed food products and prepared dishes - unspecified (not specified) - Processing plant - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	1	0	Campylobacter	0
	Other processed food products and prepared dishes - unspecified (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Campylobacter	0
	Other processed food products and prepared dishes - unspecified (not specified) - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	48	0	Campylobacter	0
	Other processed food products and prepared dishes (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	100	Gram	11	0	Campylobacter	0
	Ready-to-eat salads (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Campylobacter	0
	Sauce and dressings (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Campylobacter	0

Table COXI ELLA (Q-FEVER) in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Total units tested	Total units positive	N of clinical affected herds	Zoonoses	N of units positive
España	Cattle (bovine animals) - dairy cows - adult - Farm (not specified) - Spain - animal sample - foetus/stillbirth - Monitoring - passive - Official sampling - Suspect sampling	animal	568	95		Coxiella (Q-fever)	95
	Goats (not specified) - Farm (not specified) - Spain - animal sample - foetus/stillbirth - Monitoring - passive - Official sampling - Suspect sampling	animal	137	0		Coxiella (Q-fever)	0
	Sheep (not specified) - Farm (not specified) - Spain - animal sample - foetus/stillbirth - Monitoring - passive - Official sampling - Suspect sampling	animal	395	41		Coxiella (Q-fever)	41

Table 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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Foodstuffs intended for special nutritional uses - other food for infants and children - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	100	Gram	60	0	Cronobacter - Cronobacter sakazakii	0
	Foodstuffs intended for special nutritional uses - other food for infants and children - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	5	0	Cronobacter	0
	Infant formula - dried - intended for infants below 6 months - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	1	0	Cronobacter	0
	Infant formula - dried - intended for infants below 6 months - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	3	0	Cronobacter - Cronobacter sakazakii	0
	Infant formula - dried - intended for infants below 6 months - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	8	0	Cronobacter	0
	Infant formula - dried - intended for infants below 6 months - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	4000	Gram	8	0	Cronobacter - Cronobacter sakazakii	0
	Infant formula - dried - intended for infants below 6 months - Wholesale - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	4	0	Cronobacter	0
	Infant formula - dried - intended for infants below 6 months - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	3	0	Cronobacter - Cronobacter sakazakii	0
	Infant formula - dried (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	8	0	Cronobacter - Cronobacter sakazakii	0
	Infant formula - dried (not specified) - Retail - Spain - food sample (not specified) - Monitoring - Official sampling - Objective sampling	single	100	Gram	5	0	Cronobacter - Cronobacter sakazakii	0

Table ECHINOCOCCUS in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Cattle (bovine animals) - meat production animals - young cattle (1-2 years) - Slaughterhouse - Spain - animal sample (not specified) - Survey - national survey - Official sampling - Objective sampling	animal	69964	77	Echinococcus - Echinococcus spp., unspecified	77
	Cattle (bovine animals) - unspecified - Slaughterhouse - Spain - - Survey - Official sampling - Census	animal	35363	159	Echinococcus - E. granulosus	159
	Cattle (bovine animals) (not specified) - Slaughterhouse - European Union - animal sample (not specified) - Monitoring - active - Official sampling - Objective sampling	slaughter batch	206	0	Echinococcus - E. granulosus	0
	Cattle (bovine animals) (not specified) - Slaughterhouse - Spain - - Surveillance - Official sampling - Not specified	animal	93121	64	Echinococcus - E. granulosus	64
	Cattle (bovine animals) (not specified) - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Suspect sampling	slaughter batch	17214	1096	Echinococcus	1,096
	Cattle (bovine animals) (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Monitoring - active - Official sampling - Objective sampling	slaughter batch	97775	334	Echinococcus - E. granulosus	334
	Cattle (bovine animals) (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Surveillance - Official sampling - Census	animal	57231	40	Echinococcus	40
	Cattle (bovine animals) (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Surveillance - Official sampling - Objective sampling	animal	11569	36	Echinococcus	36
	Deer - wild (not specified) - Game handling establishment - Spain - animal sample (not specified) - Surveillance - Official sampling - Census	animal	34	0	Echinococcus	0
	Deer (not specified) - Hunting - Spain - - Surveillance - Official sampling - Not specified	animal	87342	26	Echinococcus - E. granulosus	26
	Goats - animals over 1 year - Slaughterhouse - Spain - - Monitoring - active - Official sampling - Not specified	animal	3776	14	Echinococcus - E. granulosus	14
	Goats - animals under 1 year - Slaughterhouse - Spain - - Monitoring - active - Official sampling - Not specified	animal	16177	1	Echinococcus - E. granulosus	1
	Goats (not specified) - Slaughterhouse - Spain - - Clinical investigations - Official, based on Regulation 218/2014 - Not specified	animal	92640	1005	Echinococcus - E. granulosus	1,005
	Goats (not specified) - Slaughterhouse - Spain - - Surveillance - Official sampling - Not specified	animal	37041	17797	Echinococcus - E. granulosus	17,797
	Goats (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Monitoring - active - Official sampling - Objective sampling	slaughter batch	28472	2	Echinococcus - E. granulosus	2
	Goats (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Surveillance - Official sampling - Census	animal	3222	0	Echinococcus	0
	Pigs - breeding animals - not raised under controlled housing conditions (not specified) - Slaughterhouse - Spain - - Surveillance - Official sampling - Not specified	animal	33793	452	Echinococcus - E. granulosus	452
	Pigs - breeding animals - not raised under controlled housing conditions (not specified) - Slaughterhouse - Spain - - Survey - Official sampling - Census	animal	861	0	Echinococcus - E. granulosus	0
	Pigs - fattening pigs (not specified) - Slaughterhouse - Spain - - Clinical investigations - Official, based on Regulation 218/2014 - Not specified	animal	37229	80	Echinococcus - E. granulosus	80
	Pigs (not specified) - Slaughterhouse - European Union - animal sample (not specified) - Monitoring - active - Official sampling - Objective sampling	slaughter batch	19116	0	Echinococcus - E. granulosus	0
	Pigs (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Monitoring - active - Official sampling - Objective sampling	slaughter batch	86471	0	Echinococcus - E. granulosus	0
	Pigs (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Surveillance - Official sampling - Census	animal	87277	0	Echinococcus	0
	Sheep - animals over 1 year - Slaughterhouse - Spain - - Monitoring - active - Official sampling - Not specified	animal	10614	333	Echinococcus - E. granulosus	333
	Sheep - animals under 1 year (lambs) - Slaughterhouse - Spain - - Monitoring - active - Official sampling - Not specified	animal	81292	203	Echinococcus - E. granulosus	203
	Sheep (not specified) - Slaughterhouse - Spain - - Clinical investigations - Official, based on Regulation 218/2014 - Not specified	animal	13276	26200	Echinococcus - E. granulosus	26,200
	Sheep (not specified) - Slaughterhouse - Spain - - Surveillance - Official sampling - Not specified	animal	53258	23894	Echinococcus - E. granulosus	23,894
	Sheep (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Monitoring - active - Official sampling - Objective sampling	slaughter batch	14341	1871	Echinococcus - E. granulosus	1,871
	Sheep (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Surveillance - Official sampling - Census	animal	9128	0	Echinococcus	0
	Sheep and goats - Slaughterhouse - Spain - - Survey - Official sampling - Census	animal	1172	0	Echinococcus - E. granulosus	0
	Solipeds, domestic (not specified) - Slaughterhouse - Spain - - Surveillance - Official sampling - Not specified	animal	3282	8	Echinococcus - E. granulosus	8

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Solipeds, domestic (not specified) - Slaughterhouse - Spain - - Survey - Official sampling - Census	animal	6493	0	Echinococcus - E. granulosus	0
	Solipeds, domestic (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Surveillance - Official sampling - Census	animal	3583	0	Echinococcus	0
	Wild boars - wild - Game handling establishment - Spain - animal sample (not specified) - Surveillance - Official sampling - Census	animal	121	0	Echinococcus	0
	Wild boars - wild - Hunting - Spain - - Surveillance - Official sampling - Not specified	animal	44366	80	Echinococcus - E. granulosus	80
	Wild boars - wild - Hunting - Spain - animal sample (not specified) - Monitoring - active - Official sampling - Objective sampling	slaughter batch	5176	2	Echinococcus - E. granulosus	2
Extremadura	Cattle (bovine animals) - unspecified - Slaughterhouse - Spain - - Clinical investigations - Official sampling - Suspect sampling	animal	106830	1480	Echinococcus - E. granulosus	1,480
	Deer - wild (not specified) - Game handling establishment - Spain - - Clinical investigations - Official sampling - Suspect sampling	animal	51310	0	Echinococcus - E. granulosus	0
	Deer - wild (not specified) - Hunting - Spain - - Clinical investigations - Official sampling - Suspect sampling	animal	35023	0	Echinococcus - E. granulosus	0
	Goats (not specified) - Slaughterhouse - Spain - - Clinical investigations - Official sampling - Suspect sampling	animal	60233	142	Echinococcus - E. granulosus	142
	Pigs - fattening pigs - not raised under controlled housing conditions (not specified) - Slaughterhouse - Spain - - Clinical investigations - Official sampling - Suspect sampling	animal	543717	676	Echinococcus - E. granulosus	676
	Sheep (not specified) - Slaughterhouse - Spain - - Clinical investigations - Official sampling - Suspect sampling	animal	321591	3383	Echinococcus - E. granulosus	3,383
	Wild boars - wild - Game handling establishment - Spain - - Clinical investigations - Official sampling - Suspect sampling	animal	33188	0	Echinococcus - E. granulosus	0
Wild boars - wild - Hunting - Spain - - Clinical investigations - Official sampling - Suspect sampling	animal	17332	4	Echinococcus - E. granulosus	4	

Table ECHI NOCOCCUS in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Meat from bovine animals - carcase (not specified) - Slaughterhouse - Spain - - Clinical investigations - Official, based on Regulation 218/2014 - Not specified	single	25	Gram	165116	404	Echinococcus - E. granulosus	404
Illes Balears	Meat from pig - offal - liver - Slaughterhouse - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	100	Gram	140491	2	Echinococcus - E. granulosus	2
	Meat from sheep - offal - liver - Slaughterhouse - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	100	Gram	172485	1	Echinococcus - E. granulosus	1



Table ESCHERICHIA COLI , NON-PATHOGENIC in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Bakery products - desserts (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	12	1	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	1
	Bakery products - desserts (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	8	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Bakery products - pastry - biscuits - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	6	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Bakery products - pastry - biscuits - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	5	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Cereals and meals - flakes - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	6	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Cereals and meals - flakes - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	3	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	2	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Cheeses made from cows' milk - fresh (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	3	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Cheeses made from goats' milk - fresh (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	7	1	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	1
	Cheeses made from goats' milk - hard (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	1	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Cheeses made from sheep's milk - fresh (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Cheeses made from sheep's milk - hard (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	10	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Cheeses made from sheep's milk - soft and semi-soft (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	5	1	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	1
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	11	0	Escherichia coli, non-pathogenic	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	14	0	Escherichia coli, non-pathogenic	0
	Cheeses, made from unspecified milk or other animal milk - hard - made from pasteurised milk - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	19	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	46	4	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	4
	Confectionery products and pastes (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	7	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Confectionery products and pastes (not specified) - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	1	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Crustaceans - prawns - shelled, shucked and cooked (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Escherichia coli, non-pathogenic	0
	Crustaceans - prawns - shelled, shucked and cooked (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	10	0	Escherichia coli, non-pathogenic	0
	Crustaceans - unspecified - cooked (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	100	Gram	3	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Fruits - pre-cut - ready-to-eat - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	12	0	Escherichia coli, non-pathogenic	0
	Fruits - pre-cut - ready-to-eat - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	5	0	Escherichia coli, non-pathogenic	0
	Fruits - pre-cut - ready-to-eat - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	21	0	Escherichia coli, non-pathogenic	0
	Fruits and vegetables - pre-cut - ready-to-eat - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	100	Gram	15	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Fruits and vegetables - pre-cut (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	11	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Fruits and vegetables - pre-cut (not specified) - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	1	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Fruits and vegetables - pre-cut (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	1	0	Escherichia coli, non-pathogenic	0
	Fruits and vegetables - products - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Millilitre	2	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Fruits and vegetables - products - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Millilitre	15	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Infant formula - dried - intended for infants below 6 months - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	1	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Juice - fruit juice - unpasteurised - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	4	0	Escherichia coli, non-pathogenic	0
	Juice - fruit juice - unpasteurised - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	13	0	Escherichia coli, non-pathogenic	0
	Juice - fruit juice - unpasteurised - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	7	0	Escherichia coli, non-pathogenic	0
	Live bivalve molluscs - mussels (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Escherichia coli, non-pathogenic	0
	Live bivalve molluscs - oysters (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Escherichia coli, non-pathogenic	0
	Live bivalve molluscs - oysters (not specified) - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	1	1	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	1

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Live bivalve molluscs (not specified) - Conservation facilities - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	13	0	Escherichia coli, non-pathogenic	0
	Live bivalve molluscs (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	1	Escherichia coli, non-pathogenic	1
	Live echinodermis, tunicates and gastropods - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	6	0	Escherichia coli, non-pathogenic	0
	Meat from bovine animals - fresh (not specified) - Retail - Spain - food sample - meat - Surveillance - Official sampling - Objective sampling	single	100	Gram	35	5	Escherichia coli, non-pathogenic	5
	Meat from bovine animals - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	24	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Meat from broilers (Gallus gallus) - fresh (not specified) - Retail - Spain - food sample - meat - Surveillance - Official sampling - Objective sampling	single	25	Gram	60	55	Escherichia coli, non-pathogenic	55
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	24	1	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	1
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Spain - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch	100	Gram	12	0	Escherichia coli, non-pathogenic	0
	Meat from pig - fresh (not specified) - Retail - Spain - food sample - meat - Surveillance - Official sampling - Objective sampling	single	100	Gram	37	8	Escherichia coli, non-pathogenic	8
	Meat from pig - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	124	2	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	2
	Meat from pig - meat products - raw but intended to be eaten cooked (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	2	1	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	1
	Meat from pig - meat products - raw but intended to be eaten cooked (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	12	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Escherichia coli, non-pathogenic	0
	Meat from poultry, unspecified - meat preparation - intended to be eaten raw - chilled - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	19	0	Escherichia coli, non-pathogenic	0
	Meat, mixed meat - meat preparation - intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	4	0	Escherichia coli, non-pathogenic	0
	Meat, mixed meat - meat preparation - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	42	0	Escherichia coli, non-pathogenic	0
	Molluscan shellfish - raw (not specified) - Retail - Netherlands - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	1	0	Escherichia coli, non-pathogenic	0
	Molluscan shellfish - raw (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	100	Gram	13	1	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	1
	Molluscan shellfish - raw (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	3	0	Escherichia coli, non-pathogenic	0
	Other processed food products and prepared dishes - meat based dishes - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	100	Gram	16	1	Escherichia coli, non-pathogenic	1
	Other processed food products and prepared dishes - pizza and pizza-like dishes - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	3	0	Escherichia coli, non-pathogenic	0
	Other processed food products and prepared dishes - unspecified (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	10	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Other processed food products and prepared dishes - unspecified (not specified) - Processing plant - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	3	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Other processed food products and prepared dishes - unspecified (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	92	9	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	9
	Other processed food products and prepared dishes - unspecified (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	5	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Other processed food products and prepared dishes - unspecified (not specified) - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	134	4	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	4
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	100	Gram	9	0	Escherichia coli, non-pathogenic	0
	Vegetables - pre-cut - ready-to-eat - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	14	0	Escherichia coli, non-pathogenic	0
	Water - bottled water - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	8	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Water - bottled water - Processing plant - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	1	1	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	1
	Water - bottled water - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	11	0	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	0
	Water - bottled water - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	8	1	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	1

Table ESCHERICHIA COLI , PATHOGENIC in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Cattle (bovine animals) - calves (under 1 year) (not specified) - Slaughterhouse - Spain - animal sample - caecum - Monitoring - EFSA specifications - Official sampling - Objective sampling	slaughter batch	383	53	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	53
	Sheep (not specified) - Farm (not specified) - Spain - animal sample - caecum - Monitoring - active - Official sampling - Objective sampling	herd/flock	54	29	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC non-O157	16
					Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	13

Table ESCHERICHIA COLI , PATHOGENIC in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	100	Gram	10	4	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	4
	Cheeses made from cows' milk - fresh (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	2	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Cheeses made from cows' milk - fresh (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	3	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC)	0
	Cheeses made from goats' milk - fresh (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC)	0
	Cheeses made from sheep's milk - hard (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC)	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - hard - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	2	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC)	0
	Cheeses, made from unspecified milk or other animal milk - unspecified - made from pasteurised milk - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	10	Colony forming unit/gram	350	36	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	36
	Dairy products (excluding cheeses) - yoghurt - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Eggs (not specified) - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	10	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Fish - Fishery products which have undergone enzyme maturation treatment in brine - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	2	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Fish - Fishery products which have undergone enzyme maturation treatment in brine - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	3	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Fish - smoked - cold-smoked - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Fruits and vegetables - pre-cut (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	11	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Fruits and vegetables - products - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	2	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Fruits and vegetables - products - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	15	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Live bivalve molluscs - unspecified - depurated - Packing centre (not specified) - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	5	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from bovine animals - carcass - chilled - Slaughterhouse - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	48	1	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	1
	Meat from bovine animals - carcass (not specified) - Slaughterhouse - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	12	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from bovine animals - carcass (not specified) - Slaughterhouse - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	11	1	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	1
	Meat from bovine animals - fresh - chilled - Retail - Spain - food sample - meat - Monitoring - EFSA specifications - Official sampling - Objective sampling	single	100	Gram	12	1	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	1
	Meat from bovine animals - fresh - frozen - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from bovine animals - fresh - frozen - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	12	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from bovine animals - fresh (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	10	Colony forming unit/gram	20	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC)	0
	Meat from bovine animals - fresh (not specified) - Retail - Spain - food sample - meat - Surveillance - Official sampling - Objective sampling	single	25	Gram	60	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC)	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	12	1	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	1
	Meat from bovine animals - meat preparation (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	10	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from bovine animals - meat preparation (not specified) - Unspecified - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	23	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from bovine animals - meat preparation (not specified) - Wholesale - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	100	Gram	6	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC)	0
	Meat from bovine animals - meat products - cooked, ready-to-eat - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	4	1	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	1
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	5	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	12	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC, unspecified	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	8	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Meat from bovine animals - minced meat - intended to be eaten cooked - frozen - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from bovine animals - minced meat (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	10	Colony forming unit/gram	10	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC)	0
	Meat from bovine animals - minced meat (not specified) - Wholesale - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	100	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC)	0
	Meat from bovine animals (not specified) - Cutting plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	9	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	7	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from bovine animals and pig - meat preparation (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	15	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from bovine animals and pig - meat preparation (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	60	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from broilers (Gallus gallus) - carcass - chilled - Slaughterhouse - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	25	Gram	14	5	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	5
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from broilers (Gallus gallus) - meat preparation (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	10	Colony forming unit/gram	40	18	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	18
	Meat from broilers (Gallus gallus) - meat preparation (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	3	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from broilers (Gallus gallus) - meat preparation (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	10	Colony forming unit/gram	30	20	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	20
	Meat from broilers (Gallus gallus) - meat products - cooked, ready-to-eat - chilled - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from broilers (Gallus gallus) - minced meat - intended to be eaten cooked - chilled - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	4	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from broilers (Gallus gallus) - minced meat - intended to be eaten cooked - chilled - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	6	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC, unspecified	0
	Meat from broilers (Gallus gallus) - minced meat - intended to be eaten cooked - chilled - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	3	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from broilers (Gallus gallus) - minced meat (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	10	Colony forming unit/gram	40	34	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	34
	Meat from broilers (Gallus gallus) - minced meat (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	10	Colony forming unit/gram	50	22	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	22



Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Meat from goat - carcase - chilled - Slaughterhouse - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	11	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from goat - carcase (not specified) - Slaughterhouse - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	3	1	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	1
	Meat from horse - meat preparation - intended to be eaten cooked - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from other animal species or not specified - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from other animal species or not specified - meat preparation (not specified) - Unspecified - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	37	12	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC, unspecified	12
	Meat from other animal species or not specified - meat products (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC, unspecified	0
	Meat from other animal species or not specified - mechanically separated meat (MSM) (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	10	Colony forming unit/gram	10	10	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	10
	Meat from other poultry species - carcase - chilled - Slaughterhouse - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	25	Gram	9	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from other poultry species - meat preparation (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	10	Colony forming unit/gram	10	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC)	0
	Meat from other poultry species - minced meat (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	10	Colony forming unit/gram	10	10	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	10
	Meat from pig - carcase (not specified) - Slaughterhouse - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	32	3	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	3
	Meat from pig - fresh - chilled - Retail - Spain - food sample - meat - Monitoring - EFSA specifications - Official sampling - Objective sampling	batch	100	Gram	12	2	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	2
	Meat from pig - fresh - frozen - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	4	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from pig - fresh (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	10	Colony forming unit/gram	28	4	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	4
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	4	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	2	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from pig - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	87	1	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	1
	Meat from pig - meat preparation (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	17	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Meat from pig - meat preparation (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	10	Colony forming unit/gram	40	30	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	30
	Meat from pig - meat preparation (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	10	Colony forming unit/gram	60	14	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	14
	Meat from pig - meat preparation (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC)	0
	Meat from pig - meat preparation (not specified) - Wholesale - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	100	Gram	3	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC)	0
	Meat from pig - meat products - cooked, ready-to-eat - chilled - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	4	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from pig - meat products - cooked, ready-to-eat - chilled - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	2	2	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	2
	Meat from pig - meat products - fermented sausages - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from pig - meat products - meat specialties - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	9	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from pig - meat products - meat specialties - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	4	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from pig - meat products - raw and intended to be eaten raw - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from pig - meat products - raw but intended to be eaten cooked (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	2	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from pig - meat products - raw but intended to be eaten cooked (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	12	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from pig - meat products (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC, unspecified	0
	Meat from pig - minced meat - intended to be eaten cooked - chilled - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	8	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from pig - minced meat - intended to be eaten cooked - chilled - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	4	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from pig - minced meat (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	10	Colony forming unit/gram	10	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC)	0
	Meat from pig - minced meat (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	10	Colony forming unit/gram	70	18	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	18
	Meat from poultry, unspecified - fresh (not specified) - Cutting plant - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC, unspecified	0
	Meat from sheep - carcase (not specified) - Slaughterhouse - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	20	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Meat from turkey - meat products - preserved - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	3	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from turkey - minced meat - intended to be eaten cooked - chilled - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	3	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from turkey - minced meat - intended to be eaten cooked - chilled - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat from wild game - land mammals - meat products - fermented sausages - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Meat, mixed meat - meat preparation (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC)	0
	Milk, cows' - pasteurised milk - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Other processed food products and prepared dishes - meat based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	10	Colony forming unit/gram	6	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC)	0
	Other processed food products and prepared dishes - unspecified (not specified) - Catering (not specified) - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	19	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Other processed food products and prepared dishes - unspecified (not specified) - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	11	1	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	1
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	10	Colony forming unit/gram	4	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC)	0
	Ready-to-eat salads (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Ready-to-eat salads (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Seeds, sprouted - ready-to-eat - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	5	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Seeds, sprouted - ready-to-eat - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	4	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC)	0
	Seeds, sprouted - ready-to-eat - Unspecified - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	11	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC, unspecified	0
	Seeds, sprouted - ready-to-eat - Wholesale - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	16	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC)	0
	Seeds, sprouted (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	100	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC)	0
	Vegetables - leaves - Catering (not specified) - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Vegetables - leaves - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	6	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC, unspecified	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Vegetables - non-pre-cut - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	12	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC, unspecified	0
	Vegetables - non-pre-cut - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	3	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Vegetables - pre-cut - ready-to-eat - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Vegetables - pre-cut - ready-to-eat - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	13	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Vegetables - products - dried - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	3	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Vegetables - products - dried - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	2	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0
	Vegetables - products (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Escherichia coli, pathogenic - Verotoxigenic E. coli (VTEC) - VTEC O157	0

Table HISTAMINE in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
España	Fish - cooked (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	4	0	<= 100	Histamine	0	0
	Fish - cooked (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	5	0	<= 100	Histamine	0	0
	Fish - cooked (not specified) - Wholesale - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	2	0	<= 100	Histamine	0	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Conservation facilities - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	100	Gram	18	0	<= 100	Histamine	0	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Packing centre (not specified) - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	detection	Histamine	0	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Processing plant - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	26	0	<= 100	Histamine	0	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	28	1	detection	Histamine	0	1
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	5	0	<100	Histamine	0	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	100	Gram	11	0	<100	Histamine	0	0
		single	100	Gram	18	0	<= 100	Histamine	0	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Retail - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	15	0	<= 100	Histamine	0	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	20	0	<100	Histamine	0	0
		single	200	Gram	24	1	>200	Histamine	0	1
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	100	Gram	108	0	<= 100	Histamine	0	0
			2250	Gram	7	0	<= 100	Histamine	0	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	200	Gram	5	1	>200	Histamine	0	1
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Wholesale - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	detection	Histamine	0	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Wholesale - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	50	Gram	14	3	>200	Histamine	0	3
			100	Gram	6	0	<100	Histamine	0	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	100	Gram	6	0	<= 100	Histamine	0	0
	Fish - Fishery products which have undergone enzyme maturation treatment in brine - Processing plant - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	27	0	>100 to <= 200	Histamine	0	0
	Fish - Fishery products which have undergone enzyme maturation treatment in brine - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	28	0	detection	Histamine	0	0
	Fish - Fishery products which have undergone enzyme maturation treatment in brine - Retail - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	7	1	>100 to <= 200	Histamine	0	0
							> 400	Histamine	0	1

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
España	Fish - Fishery products which have undergone enzyme maturation treatment in brine - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	2250	Gram	2	0	>200	Histamine	0	0
	Fish - Fishery products which have undergone enzyme maturation treatment in brine - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	100	Gram	5	0	<= 100	Histamine	0	0
	Fish - gravad /slightly salted - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	<= 100	Histamine	0	0
	Fish - raw - frozen - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	<= 100	Histamine	0	0
	Fish - raw (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	11	0	<= 100	Histamine	0	0
	Fish - raw (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	2	0	<= 100	Histamine	0	0
	Fish - raw (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	19	0	<= 100	Histamine	0	0
	Fish - smoked (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	<= 100	Histamine	0	0
	Fish - smoked (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	<= 100	Histamine	0	0
	Fish - smoked (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	2	0	<= 100	Histamine	0	0
	Fish (food) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	5	Gram	14	2	<= 100	Histamine	0	2
	Fishery products, unspecified - ready-to-eat (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	5	0	<= 100	Histamine	0	0
	Fishery products, unspecified - ready-to-eat (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	3	0	<= 100	Histamine	0	0
	Fishery products, unspecified (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	<= 100	Histamine	0	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	100	Gram	3	0	<= 100	Histamine	0	0

Table LISTERIA in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Cattle (bovine animals) - dairy cows - adult - Farm (not specified) - Spain - animal sample - foetus/stillbirth - Monitoring - passive - Official sampling - Suspect sampling	animal	144	31	Listeria - L. monocytogenes	31

Table LISTERIA in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
España	Bakery products - cakes (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	161	1	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	161	1
	Bakery products - cakes (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	50	0	detection	Listeria - L. monocytogenes	50	0
	Bakery products - desserts (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	78	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	78	0
	Bakery products - desserts (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	25	0	detection	Listeria - L. monocytogenes	25	0
	Bakery products - pastry - biscuits - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	6	0	detection	Listeria - L. monocytogenes	6	0
	Bakery products - pastry - biscuits - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	5	0	detection	Listeria - L. monocytogenes	5	0
	Bakery products - pastry (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Bakery products (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	30	1	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	1
	Bakery products (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	30	1	detection	Listeria - L. monocytogenes	30	1
	Bakery products (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	83	0	>100	Listeria - L. monocytogenes	47	0
							<= 100	Listeria - L. monocytogenes	47	0
	Bakery products (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	83	0	detection	Listeria - L. monocytogenes	83	0
	Cereals and meals - flakes - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	9	0	detection	Listeria - L. monocytogenes	9	0
	Cheeses made from cows' milk - curd - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
									3	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
									1	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	5	0	detection	Listeria - L. monocytogenes	5	0
									2	0
	Cheeses made from cows' milk - fresh (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	11	0	detection	Listeria - L. monocytogenes	11	0
	Cheeses made from cows' milk - fresh (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Cheeses made from cows' milk - hard (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Selective sampling	single	25	Gram	5	0	detection	Listeria - L. monocytogenes	5	0
	Cheeses made from cows' milk - hard (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Cheeses made from cows' milk - hard (not specified) - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	2	0	detection	Listeria - L. 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	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
España	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	13	0	>100	Listeria - L. monocytogenes	13	0
							<= 100	Listeria - L. monocytogenes	13	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	13	0	detection	Listeria - L. monocytogenes	13	0
	Cheeses made from cows' milk - unspecified (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	1	0
	Cheeses made from cows' milk (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	1	0	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	0
	Cheeses made from cows' milk (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Cheeses made from cows' milk (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	4	0	>100	Listeria - L. monocytogenes	4	0
							<= 100	Listeria - L. monocytogenes	4	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	12	0	detection	Listeria - L. monocytogenes	12	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	6	0	detection	Listeria - L. monocytogenes	6	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	6	0	detection	Listeria - L. monocytogenes	6	0
			100	Gram	10	0	detection	Listeria - L. monocytogenes	10	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Packing centre (not specified) - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	86	0	detection	Listeria - L. monocytogenes	86	0
	Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	9	0	detection	Listeria - L. monocytogenes	9	0
	Cheeses made from goats' milk - fresh (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	6	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	6	0
	Cheeses made from goats' milk - hard - made from pasteurised milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Cheeses made from goats' milk - hard - made from raw or low heat-treated milk - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	4	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	4	0
Cheeses made from goats' milk - hard - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	detection	Listeria - L. monocytogenes	3	0	
Cheeses made from goats' milk - hard (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	6	0	detection	Listeria - L. monocytogenes	6	0	
Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	4	0	detection	Listeria - L. 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	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
España	Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	4	0	detection	Listeria - L. monocytogenes	4	0
	Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Cheeses made from goats' milk - unspecified (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Cheeses made from goats' milk (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Cheeses made from goats' milk (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	1	1	detection	Listeria - L. monocytogenes	1	1
	Cheeses made from sheep's milk - fresh (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	2	0	>100	Listeria - L. monocytogenes	2	0
							<= 100	Listeria - L. monocytogenes	2	0
	Cheeses made from sheep's milk - hard - made from pasteurised milk - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	3	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	3	0
	Cheeses made from sheep's milk - hard - made from pasteurised milk - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	>100	Listeria - L. monocytogenes	2	0
							<= 100	Listeria - L. monocytogenes	2	0
	Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	18	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	18	0
	Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Cheeses made from sheep's milk - hard (not specified) - Packing centre (not specified) - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Cheeses made from sheep's milk - hard (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	8	0	detection	Listeria - L. monocytogenes	8	0
	Cheeses made from sheep's milk - hard (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	6	0	detection	Listeria - L. monocytogenes	6	0
	Cheeses made from sheep's milk - hard (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	25	0	detection	Listeria - L. monocytogenes	25	0
	Cheeses made from sheep's milk - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Cheeses made from sheep's milk - soft and semi-soft - made from pasteurised milk - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	0
	Cheeses made from sheep's milk - soft and semi-soft (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	4	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	4	0
	Cheeses made from sheep's milk - unspecified - made from raw or low heat-treated milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Cheeses made from sheep's milk - unspecified - made from raw or low heat-treated milk - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	1	0	detection	Listeria - L. 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	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
España	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	11	0	detection	Listeria - L. monocytogenes	11	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	6	0	detection	Listeria - L. monocytogenes	6	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - hard - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	4	0	detection	Listeria - L. monocytogenes	4	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - hard (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	14	0	detection	Listeria - L. monocytogenes	14	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from pasteurised milk - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	>100	Listeria - L. monocytogenes	2	0
							<= 100	Listeria - L. monocytogenes	2	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	15	0	detection	Listeria - L. monocytogenes	15	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	6	0	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	6	0	detection	Listeria - L. monocytogenes	5	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - unspecified - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	70	6	detection	Listeria - L. monocytogenes	70	6
	Cheeses, made from mixed milk from cows, sheep and/or goats - unspecified - made from raw or low heat-treated milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	100	Gram	50	0	detection	Listeria - L. monocytogenes	50	0
	Cheeses, made from mixed milk from cows, sheep and/or goats (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	3	0	>100	Listeria - L. monocytogenes	3	0
							<= 100	Listeria - L. monocytogenes	3	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	5	0	detection	Listeria - L. monocytogenes	5	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from pasteurised milk - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	100	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
Cheeses, made from unspecified milk or other animal milk - fresh - made from pasteurised milk - Wholesale - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0	
Cheeses, made from unspecified milk or other animal milk - fresh - made from pasteurised milk - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	>100	Listeria - L. monocytogenes	2	0	
						<= 100	Listeria - L. 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	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
España	Cheeses, made from unspecified milk or other animal milk - fresh - made from pasteurised milk - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Cheeses, made from unspecified milk or other animal milk - hard - made from pasteurised milk - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	10	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	10	0
	Cheeses, made from unspecified milk or other animal milk - hard - made from pasteurised milk - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Cheeses, made from unspecified milk or other animal milk - hard - made from raw or low heat-treated milk - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	12	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	12	0
	Cheeses, made from unspecified milk or other animal milk - hard (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	16	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	16	0
	Cheeses, made from unspecified milk or other animal milk - hard (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	8	0	detection	Listeria - L. monocytogenes	8	0
	Cheeses, made from unspecified milk or other animal milk - hard (not specified) - Retail - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	10	0	>100	Listeria - L. monocytogenes	10	0
							<= 100	Listeria - L. monocytogenes	10	0
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	5	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	5	0
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - made from pasteurised milk - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	41	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	41	0
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	49	1	detection	Listeria - L. monocytogenes	49	1
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft (not specified) - Retail - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	66	0	>100	Listeria - L. monocytogenes	66	0
							<= 100	Listeria - L. monocytogenes	66	0
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Cheeses, made from unspecified milk or other animal milk - spreadable - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Cheeses, made from unspecified milk or other animal milk (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	16	0	detection	Listeria - L. monocytogenes	16	0
	Chocolate - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Confectionery products and pastes (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	12	0	detection	Listeria - L. monocytogenes	12	0
	Confectionery products and pastes (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	30	Gram	16	0	detection	Listeria - L. monocytogenes	16	0
	Confectionery products and pastes (not specified) - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Crustaceans - prawns - cooked - chilled - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	5	0	detection	Listeria - L. 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	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
España	Crustaceans - prawns - cooked - frozen - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Crustaceans - prawns - cooked - frozen - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	1	0
	Crustaceans - prawns - cooked - frozen - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Crustaceans - prawns - cooked (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	9	0	detection	Listeria - L. monocytogenes	9	0
	Crustaceans - prawns - raw - frozen - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	5	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	5	0
	Crustaceans - prawns - shelled, shucked and cooked (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Crustaceans - prawns - shelled, shucked and cooked (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	10	0	detection	Listeria - L. monocytogenes	10	0
	Crustaceans - shrimps - cooked - frozen - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Crustaceans - shrimps - cooked - frozen - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	>100	Listeria - L. monocytogenes	2	0
							<= 100	Listeria - L. monocytogenes	2	0
	Crustaceans - shrimps - cooked (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	2	0	>100	Listeria - L. monocytogenes	2	0
							<= 100	Listeria - L. monocytogenes	2	0
	Crustaceans - unspecified - cooked (not specified) - Packing centre (not specified) - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	8	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	8	0
	Crustaceans - unspecified - cooked (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Crustaceans - unspecified - cooked (not specified) - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	100	Gram	8	0	detection	Listeria - L. monocytogenes	8	0
	Crustaceans - unspecified - cooked (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	9	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	9	0
	Crustaceans - unspecified - cooked (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	6	0	detection	Listeria - L. monocytogenes	6	0
	Crustaceans - unspecified - cooked (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	100	Gram	26	1	detection	Listeria - L. monocytogenes	26	1
	Crustaceans - unspecified - cooked (not specified) - Wholesale - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Crustaceans - unspecified - cooked (not specified) - Wholesale - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
			100	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Dairy products (excluding cheeses) - butter (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	1	0
	Dairy products (excluding cheeses) - butter (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	30	0	detection	Listeria - L. monocytogenes	30	0
			1250	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Dairy products (excluding cheeses) - cream - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	250	Millilitre	10	0	detection	Listeria - L. monocytogenes	10	0
	Dairy products (excluding cheeses) - dairy desserts (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Dairy products (excluding cheeses) - dairy products, not specified - ready-to-eat (not specified) - Retail - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	35	0	>100	Listeria - L. monocytogenes	35	0
							<= 100	Listeria - L. monocytogenes	35	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
España	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	100	Gram	40	0	detection	Listeria - L. monocytogenes	40	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	78	0	>100	Listeria - L. monocytogenes	78	0
<= 100							Listeria - L. monocytogenes	78	0	
single		50	Gram	2	0	>100	Listeria - L. monocytogenes	2	0	
						<= 100	Listeria - L. monocytogenes	2	0	
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	78	0	detection	Listeria - L. monocytogenes	78	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	100	Gram	20	0	detection	Listeria - L. monocytogenes	20	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	13	0	>100	Listeria - L. monocytogenes	13	0
<= 100							Listeria - L. monocytogenes	13	0	
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	13	0	detection	Listeria - L. monocytogenes	13	0
	Dairy products (excluding cheeses) - ice-cream - made from raw or low heat-treated milk - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	21	1	>100	Listeria - L. monocytogenes	1	0
<= 100							Listeria - L. monocytogenes	1	1	
	Dairy products (excluding cheeses) - ice-cream - made from raw or low heat-treated milk - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	21	1	detection	Listeria - L. monocytogenes	21	1
	Dairy products (excluding cheeses) - ice-cream (not specified) - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	5	0	detection	Listeria - L. monocytogenes	5	0
	Dairy products (excluding cheeses) - ice-cream (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	35	0	detection	Listeria - L. monocytogenes	35	0
	Dairy products (excluding cheeses) - ice-cream (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	8	0	detection	Listeria - L. monocytogenes	8	0
	Dairy products (excluding cheeses) - ice-cream (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	5	0	detection	Listeria - L. monocytogenes	5	0
	Dairy products (excluding cheeses) - ice-cream (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	5	0	detection	Listeria - L. monocytogenes	5	0
	Dairy products (excluding cheeses) - milk powder and whey powder - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	10	0	detection	Listeria - L. monocytogenes	10	0
	Dairy products (excluding cheeses) - yoghurt - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	5	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	5	0
	Dairy products (excluding cheeses) - yoghurt - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Dairy products (excluding cheeses) (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	4	0	detection	Listeria - L. monocytogenes	4	0
	Dairy products (excluding cheeses) (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	7	0	detection	Listeria - L. monocytogenes	7	0
	Egg products - dried - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Egg products - liquid - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Egg products - liquid - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	7	0	detection	Listeria - L. monocytogenes	7	0
	Egg products (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Fish - gravad /slightly salted - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	2	1	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	2	1

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
España	Fish - marinated - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Fish - marinated - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Fish - marinated - Wholesale - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Fish - raw (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Fish - raw (not specified) - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Fish - smoked (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	24	1	detection	Listeria - L. monocytogenes	24	1
	Fish - smoked (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Fish - smoked (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	4	1	detection	Listeria - L. monocytogenes - L. monocytogenes serovar 1/2a	4	1
	Fish - smoked (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Fish - smoked (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	12	2	>100	Listeria - L. monocytogenes	2	0
							<= 100	Listeria - L. monocytogenes	2	2
	Fish - smoked (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	12	2	detection	Listeria - L. monocytogenes	12	2
							single	1250	Gram	3
	Fish - smoked (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	13	5	>100	Listeria - L. monocytogenes	5	0
							<= 100	Listeria - L. monocytogenes	5	5
	Fish - smoked (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	13	5	detection	Listeria - L. monocytogenes	13	5
	Fish - smoked (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	5	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	5	0
	Fish - smoked (not specified) - Retail - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	66	3	>100	Listeria - L. monocytogenes	66	3
							<= 100	Listeria - L. monocytogenes	66	0
	Fish - smoked (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	6	0	detection	Listeria - L. monocytogenes	6	0
	Fish - smoked (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	11	0	detection	Listeria - L. monocytogenes	11	0
	Fish - smoked (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	26	1	>100	Listeria - L. monocytogenes	26	1
							<= 100	Listeria - L. monocytogenes	26	0
	Fish - smoked (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	20	0	>100	Listeria - L. monocytogenes	20	0
							<= 100	Listeria - L. monocytogenes	20	0
		100	Gram	9	4	>100	Listeria - L. monocytogenes	4	0	
						<= 100	Listeria - L. monocytogenes	4	0	
	single	50	Gram	6	0	>100	Listeria - L. monocytogenes	6	0	
						<= 100	Listeria - L. monocytogenes	6	0	
	Fish - smoked (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	20	0	detection	Listeria - L. monocytogenes	20	0
			100	Gram	9	4	detection	Listeria - L. monocytogenes	9	4
		single	100	Gram	25	0	detection	Listeria - L. monocytogenes	25	0
Fish - smoked (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	batch	75	Gram	2	0	detection	Listeria - L. monocytogenes	2	0	
Fish - smoked (not specified) - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	21	3	>100	Listeria - L. monocytogenes	3	1	
						<= 100	Listeria - L. monocytogenes	3	2	
Fish - smoked (not specified) - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	21	3	detection	Listeria - L. monocytogenes	21	3	

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
España	Fishery products, unspecified - raw (not specified) - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Fishery products, unspecified - ready-to-eat (not specified) - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	3	1	detection	Listeria - L. monocytogenes	3	1
	Fishery products, unspecified - ready-to-eat (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	20	1	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	1
	Fishery products, unspecified - ready-to-eat (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	20	1	detection	Listeria - L. monocytogenes	20	1
	Fishery products, unspecified - ready-to-eat (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	8	0	detection	Listeria - L. monocytogenes	8	0
	Fishery products, unspecified - ready-to-eat (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	20	0	detection	Listeria - L. monocytogenes	20	0
	Foodstuffs intended for special nutritional uses - dried dietary foods for special medical purposes intended for infants below 6 months - Retail - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	13	0	>100	Listeria - L. monocytogenes	13	0
							<= 100	Listeria - L. monocytogenes	13	0
	Foodstuffs intended for special nutritional uses - other food for infants and children - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	100	Gram	60	0	detection	Listeria - L. monocytogenes	60	0
	Foodstuffs intended for special nutritional uses - other food for infants and children - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Foodstuffs intended for special nutritional uses - ready-to-eat - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Foodstuffs intended for special nutritional uses - ready-to-eat meal for infants and young children - Retail - Spain - food sample (not specified) - Monitoring - Official sampling - Objective sampling	batch	75	Gram	5	0	detection	Listeria - L. monocytogenes	5	0
	Fruits - pre-cut - ready-to-eat - Catering (not specified) - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	90	0	<= 100	Listeria - L. monocytogenes	90	0
		single	25	Gram	90	0	>100	Listeria - L. monocytogenes	90	0
	Fruits - pre-cut - ready-to-eat - Catering (not specified) - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	90	0	detection	Listeria - L. monocytogenes	90	0
	Fruits - pre-cut - ready-to-eat - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	12	0	detection	Listeria - L. monocytogenes	12	0
	Fruits - pre-cut - ready-to-eat - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	5	0	detection	Listeria - L. monocytogenes	5	0
	Fruits - pre-cut - ready-to-eat - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	21	0	detection	Listeria - L. monocytogenes	21	0
	Fruits - products - dried - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Fruits - products - fruit purée - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	4	0	detection	Listeria - L. monocytogenes	4	0
	Fruits (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	0
	Fruits (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Fruits and vegetables - pre-cut (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	15	0	detection	Listeria - L. monocytogenes	15	0
	Fruits and vegetables - pre-cut (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	10	0	detection	Listeria - L. monocytogenes	10	0
	Fruits and vegetables - pre-cut (not specified) - Retail - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	20	0	>100	Listeria - L. monocytogenes	20	0
							<= 100	Listeria - L. monocytogenes	20	0
	Fruits and vegetables - pre-cut (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Fruits and vegetables - products - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Millilitre	2	0	detection	Listeria - L. 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	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
España	Fruits and vegetables - products - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	22	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	22	0
	Fruits and vegetables - products - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Millilitre	15	0	detection	Listeria - L. monocytogenes	15	0
	Infant formula - dried - intended for infants below 6 months - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	4	0	detection	Listeria - L. monocytogenes	4	0
	Infant formula - dried - intended for infants below 6 months - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Infant formula - dried - intended for infants below 6 months - Wholesale - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	4	0	detection	Listeria - L. monocytogenes	4	0
	Infant formula - dried (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Infant formula - dried (not specified) - Retail - Spain - food sample (not specified) - Monitoring - Official sampling - Objective sampling	batch	75	Gram	5	0	detection	Listeria - L. monocytogenes	5	0
	Infant formula - ready-to-eat - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	13	0	detection	Listeria - L. monocytogenes	13	0
	Infant formula - ready-to-eat - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	9	7	>100	Listeria - L. monocytogenes	9	0
							<= 100	Listeria - L. monocytogenes	9	7
	Juice - fruit juice - unpasteurised - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	5	0	detection	Listeria - L. monocytogenes	5	0
	Juice - fruit juice - unpasteurised - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	13	0	detection	Listeria - L. monocytogenes	13	0
	Juice - fruit juice - unpasteurised - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	7	0	detection	Listeria - L. monocytogenes	7	0
	Juice - fruit juice (not specified) - Wholesale - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Juice - vegetable juice - pasteurised - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Juice - vegetable juice - unpasteurised - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	152	6	>100	Listeria - L. monocytogenes	6	0
							<= 100	Listeria - L. monocytogenes	6	6
	Juice - vegetable juice - unpasteurised - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	152	6	detection	Listeria - L. monocytogenes	152	6
	Juice - vegetable juice (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Juice - vegetable juice (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Juice - vegetable juice (not specified) - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Live bivalve molluscs - mussels - depurated - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Live bivalve molluscs - mussels - depurated - Wholesale - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	1	detection	Listeria - L. monocytogenes - L. monocytogenes serovar 1/2a	1	1
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Meat from bovine animals - meat preparation - intended to be eaten raw (not specified) - Retail - Denmark - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	1	0	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. 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	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
España	Meat from bovine animals - meat preparation (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	6	2	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	6	2
	Meat from bovine animals - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Meat from bovine animals - meat products - raw but intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Meat from bovine animals - meat products (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	12	3	detection	Listeria - L. monocytogenes	12	3
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	14	1	detection	Listeria - L. monocytogenes	14	1
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	1	detection	Listeria - L. monocytogenes - L. monocytogenes serovar 1/2a	2	1
	Meat from bovine animals and pig - meat products - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	100	Gram	29	4	>100	Listeria - L. monocytogenes	4	0
<= 100							Listeria - L. monocytogenes	4	4	
	Meat from bovine animals and pig - meat products - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	100	Gram	29	4	detection	Listeria - L. monocytogenes	29	4
	Meat from bovine animals and pig - meat products - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Meat from broilers (Gallus gallus) - fresh - chilled - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	6	0	detection	Listeria - L. monocytogenes	6	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	9	1	>100	Listeria - L. monocytogenes - L. monocytogenes serovar 1/2c	1	0
<= 100							Listeria - L. monocytogenes - L. monocytogenes serovar 1/2c	1	1	
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	9	1	detection	Listeria - L. monocytogenes - L. monocytogenes serovar 1/2b	9	1
	Meat from broilers (Gallus gallus) - meat products - cooked, ready-to-eat (not specified) - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Meat from broilers (Gallus gallus) - meat products - cooked, ready-to-eat (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	>100	Listeria - L. monocytogenes	2	0
<= 100							Listeria - L. monocytogenes	2	0	
	Meat from broilers (Gallus gallus) - meat products - cooked, ready-to-eat (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Meat from broilers (Gallus gallus) - meat products (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Meat from broilers (Gallus gallus) (not specified) - Retail - Spain - food sample - meat - Monitoring - Official sampling - Objective sampling	single	100	Gram	71	21	>100	Listeria - L. monocytogenes	21	0
<= 100							Listeria - L. monocytogenes	21	0	
	Meat from broilers (Gallus gallus) (not specified) - Retail - Spain - food sample - meat - Monitoring - Official sampling - Objective sampling	single	100	Gram	71	21	detection	Listeria - L. monocytogenes	71	21
	Meat from duck - meat preparation - intended to be eaten raw (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Meat from duck - meat products - cooked, ready-to-eat - chilled - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	4	0	detection	Listeria - L. 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	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
España	Meat from duck - meat products - cooked, ready-to-eat (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	1	0
	Meat from other animal species or not specified - meat preparation - intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	1	detection	Listeria - L. monocytogenes - L. monocytogenes serovar 1/2a	3	1
	Meat from other poultry species - meat products (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	10	4	detection	Listeria - L. monocytogenes - L. monocytogenes serovar 1/2b	10	4
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	9	2	detection	Listeria - L. monocytogenes - L. monocytogenes serovar 1/2b	9	2
	Meat from pig - meat preparation - intended to be eaten raw (not specified) - Packing centre (not specified) - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Meat from pig - meat preparation - intended to be eaten raw (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	32	0	detection	Listeria - L. monocytogenes	32	0
	Meat from pig - meat preparation - intended to be eaten raw (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	14	0	detection	Listeria - L. monocytogenes	14	0
	Meat from pig - meat preparation (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	8	1	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	8	1
	Meat from pig - meat preparation (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	2	1	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	2	1
	Meat from pig - meat products - cooked ham (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	1	0	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	0
	Meat from pig - meat products - cooked ham (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	3	3	>100	Listeria - L. monocytogenes	3	0
							<= 100	Listeria - L. monocytogenes	3	3
	Meat from pig - meat products - cooked ham (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	3	3	detection	Listeria - L. monocytogenes	3	3
	Meat from pig - meat products - cooked, ready-to-eat - chilled - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	4	0	detection	Listeria - L. monocytogenes	4	0
	Meat from pig - meat products - cooked, ready-to-eat - chilled - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	36	1	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	1
	Meat from pig - meat products - cooked, ready-to-eat - chilled - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	36	1	detection	Listeria - L. monocytogenes	36	1
	Meat from pig - meat products - cooked, ready-to-eat - chilled - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	9	0	detection	Listeria - L. monocytogenes	9	0
	Meat from pig - meat products - cooked, ready-to-eat - chilled - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	7	1	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	1
	Meat from pig - meat products - cooked, ready-to-eat - chilled - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	7	1	detection	Listeria - L. monocytogenes	7	1
	Meat from pig - meat products - cooked, ready-to-eat - chilled - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	9	0	>100	Listeria - L. monocytogenes	9	0
							<= 100	Listeria - L. monocytogenes	9	0
	Meat from pig - meat products - cooked, ready-to-eat - chilled - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	9	0	detection	Listeria - L. monocytogenes	9	0
	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	8	0	>100	Listeria - L. monocytogenes - L. monocytogenes, unspecified	8	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
España	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	8	0	<= 100	Listeria - L. monocytogenes - L. monocytogenes, unspecified	8	0
	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	8	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	8	0
	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	3	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	3	0
	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	2	2	>100	Listeria - L. monocytogenes	2	0
							<= 100	Listeria - L. monocytogenes	2	2
	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	2	2	detection	Listeria - L. monocytogenes	2	2
	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Meat from pig - meat products - fermented sausages - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	41	1	>100	Listeria - L. monocytogenes - L. monocytogenes, unspecified	41	0
							<= 100	Listeria - L. monocytogenes - L. monocytogenes, unspecified	41	0
	Meat from pig - meat products - fermented sausages - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	41	1	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	41	1
	Meat from pig - meat products - fermented sausages - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	1	detection	Listeria - L. monocytogenes	3	1
	Meat from pig - meat products - fermented sausages - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	17	4	>100	Listeria - L. monocytogenes	4	0
							<= 100	Listeria - L. monocytogenes	4	1
	Meat from pig - meat products - fermented sausages - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	17	4	detection	Listeria - L. monocytogenes	17	4
	Meat from pig - meat products - fermented sausages - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	11	0	>100	Listeria - L. monocytogenes - L. monocytogenes, unspecified	11	0
							<= 100	Listeria - L. monocytogenes - L. monocytogenes, unspecified	11	0
	Meat from pig - meat products - fermented sausages - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Meat from pig - meat products - fermented sausages - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	0
	Meat from pig - meat products - fresh raw sausages - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Meat from pig - meat products - meat specialties - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	10	1	detection	Listeria - L. monocytogenes	10	1
	Meat from pig - meat products - meat specialties - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	14	0	detection	Listeria - L. monocytogenes	14	0
	Meat from pig - meat products - pâté - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	>100	Listeria - L. monocytogenes	3	0
		single	50	Gram	1	0	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	0
	Meat from pig - meat products - pâté - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	4	0	detection	Listeria - L. 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	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
España	Meat from pig - meat products - pâté - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	1	0	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	0
	Meat from pig - meat products - raw and intended to be eaten raw - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	1	detection	Listeria - L. monocytogenes - L. monocytogenes serovar 4b	1	1
	Meat from pig - meat products - raw and intended to be eaten raw - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Meat from pig - meat products - raw and intended to be eaten raw (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	60	9	>100	Listeria - L. monocytogenes	9	2
							<= 100	Listeria - L. monocytogenes	9	0
	Meat from pig - meat products - raw and intended to be eaten raw (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	60	9	detection	Listeria - L. monocytogenes	60	9
	Meat from pig - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	4	1	detection	Listeria - L. monocytogenes	4	1
	Meat from pig - meat products - raw but intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Meat from pig - meat products - raw but intended to be eaten cooked - chilled - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Meat from pig - meat products - raw ham - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Meat from pig - meat products - unspecified, ready-to-eat - Processing plant - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	77	11	detection	Listeria - L. monocytogenes	77	11
	Meat from pig - meat products - unspecified, ready-to-eat - Retail - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	59	0	>100	Listeria - L. monocytogenes	59	0
							<= 100	Listeria - L. monocytogenes	59	0
	Meat from pig - meat products - unspecified, ready-to-eat - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	1	0	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	0
	Meat from pig - meat products (not specified) - Cutting plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Meat from pig - meat products (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	35	0	>100	Listeria - L. monocytogenes	35	0
							<= 100	Listeria - L. monocytogenes	35	0
							1250	Gram	66	12
							<= 100	Listeria - L. monocytogenes	15	0
	Meat from pig - meat products (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	120	10	detection	Listeria - L. monocytogenes	120	10
			1250	Gram	66	12	detection	Listeria - L. monocytogenes	51	11
	Meat from pig - meat products (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	17	0	detection	Listeria - L. monocytogenes	17	0
	Meat from pig - meat products (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	2	0	>100	Listeria - L. monocytogenes	2	0
							<= 100	Listeria - L. monocytogenes	2	0
	Meat from pig - meat products (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	20	0	detection	Listeria - L. monocytogenes	20	0
			1250	Gram	6	0	detection	Listeria - L. monocytogenes	6	0
	Meat from pig - meat products (not specified) - Slaughterhouse - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Meat from pig - meat products (not specified) - Wholesale - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	15	0	detection	Listeria - L. monocytogenes	15	0
	Meat from pig - minced meat - intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	1	detection	Listeria - L. monocytogenes - L. monocytogenes serovar 4b	1	1
	Meat from poultry, unspecified - meat products - cooked, ready-to-eat (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	>100	Listeria - L. monocytogenes	1	0
<= 100							Listeria - L. monocytogenes	1	0	
Meat from poultry, unspecified - meat products - cooked, ready-to-eat (not specified) - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0	
Meat from poultry, unspecified - meat products - unspecified, ready-to-eat - Processing plant - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	6	0	detection	Listeria - L. 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	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
España	Meat from poultry, unspecified - meat products - unspecified, ready-to-eat - Retail - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	11	0	>100	Listeria - L. monocytogenes	11	0
							<= 100	Listeria - L. monocytogenes	11	0
	Meat from turkey - meat products - cooked, ready-to-eat - chilled - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
							detection	Listeria - L. monocytogenes	1	0
	Meat from turkey - meat products - cooked, ready-to-eat - chilled - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	5	0	>100	Listeria - L. monocytogenes	5	0
							<= 100	Listeria - L. monocytogenes	5	0
	Meat from turkey - meat products - cooked, ready-to-eat - chilled - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	2	0	>100	Listeria - L. monocytogenes	2	0
							<= 100	Listeria - L. monocytogenes	2	0
	Meat from turkey - meat products - cooked, ready-to-eat - chilled - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	5	0	detection	Listeria - L. monocytogenes	5	0
							>100	Listeria - L. monocytogenes	4	0
	Meat from turkey - meat products - cooked, ready-to-eat - chilled - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	4	0	>100	Listeria - L. monocytogenes	4	0
							<= 100	Listeria - L. monocytogenes	4	0
	Meat from turkey - meat products - cooked, ready-to-eat (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	5	0	>100	Listeria - L. monocytogenes - L. monocytogenes, unspecified	1	0
							<= 100	Listeria - L. monocytogenes - L. monocytogenes, unspecified	1	0
	Meat from turkey - meat products - cooked, ready-to-eat (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	5	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	5	0
							>100	Listeria - L. monocytogenes	3	0
	Meat from turkey - meat products - cooked, ready-to-eat (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	3	3	>100	Listeria - L. monocytogenes	3	0
							<= 100	Listeria - L. monocytogenes	3	3
	Meat from turkey - meat products - cooked, ready-to-eat (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	3	3	detection	Listeria - L. monocytogenes	3	3
							detection	Listeria - L. monocytogenes	1	0
	Meat from turkey - meat products (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Meat from turkey - meat products (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	7	0	detection	Listeria - L. monocytogenes	7	0
	Meat from turkey - meat products (not specified) - Wholesale - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
Meat from wild game - land mammals - meat products - fermented sausages - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	6	1	>100	Listeria - L. monocytogenes - L. monocytogenes, unspecified	6	1	
						<= 100	Listeria - L. monocytogenes - L. monocytogenes, unspecified	6	0	
Meat from wild game - land mammals - meat products - fermented sausages - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	6	1	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	6	1	
						>100	Listeria - L. monocytogenes	25	0	
Meat, mixed meat - meat products - pâté - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	25	25	>100	Listeria - L. monocytogenes	25	0	
						<= 100	Listeria - L. monocytogenes	25	25	
Meat, mixed meat - meat products - pâté - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	25	25	detection	Listeria - L. monocytogenes	25	25	
						>100	Listeria - L. monocytogenes	25	0	
Meat, mixed meat - meat products - pâté - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	25	25	>100	Listeria - L. monocytogenes	25	0	
						<= 100	Listeria - L. monocytogenes	25	25	
Meat, mixed meat - meat products - pâté - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	25	25	detection	Listeria - L. monocytogenes	25	25	
						detection	Listeria - L. monocytogenes	3	0	
Meat, mixed meat - meat products - raw and intended to be eaten raw - chilled - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	detection	Listeria - L. 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	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
España	Meat, mixed meat - meat products - raw and intended to be eaten raw - chilled - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	16	1	detection	Listeria - L. monocytogenes	16	1
	Meat, mixed meat - meat products - raw but intended to be eaten cooked (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Meat, mixed meat - meat products - raw but intended to be eaten cooked (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	11	0	detection	Listeria - L. monocytogenes	11	0
	Meat, red meat (meat from bovines, pigs, goats, sheep, horses, donkeys, bison and water buffalos) - meat products (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	140	50	detection	Listeria - L. monocytogenes	140	50
	Meat, red meat (meat from bovines, pigs, goats, sheep, horses, donkeys, bison and water buffalos) - meat products (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	35	30	>100	Listeria - L. monocytogenes	30	0
							<= 100	Listeria - L. monocytogenes	30	30
	Meat, red meat (meat from bovines, pigs, goats, sheep, horses, donkeys, bison and water buffalos) - meat products (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	35	30	detection	Listeria - L. monocytogenes	35	30
	Milk from other animal species or unspecified - pasteurised milk (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Milk from other animal species or unspecified - pasteurised milk (not specified) - Retail - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	2	0	>100	Listeria - L. monocytogenes	2	0
							<= 100	Listeria - L. monocytogenes	2	0
	Milk, cows' - pasteurised milk - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	11	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	11	0
	Milk, cows' - pasteurised milk - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	9	0	detection	Listeria - L. monocytogenes	9	0
	Milk, cows' - pasteurised milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Milk, cows' - pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	250	Millilitre	15	0	detection	Listeria - L. monocytogenes	15	0
	Milk, cows' - pasteurised milk - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	250	Millilitre	10	0	detection	Listeria - L. monocytogenes	10	0
	Milk, cows' (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	6	0	detection	Listeria - L. monocytogenes	6	0
	Milk, goats' - raw milk for manufacture - intended for manufacture of raw or low heat-treated products - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Milk, goats' (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	1	0
	Milk, sheep's - pasteurised milk (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Milk, sheep's (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Molluscan shellfish - cooked - chilled - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Molluscan shellfish - cooked - chilled - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	8	0	detection	Listeria - L. monocytogenes	8	0
	Molluscan shellfish - cooked - chilled - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	5	0	>100	Listeria - L. monocytogenes	5	0
							<= 100	Listeria - L. monocytogenes	5	0
	Molluscan shellfish - cooked - chilled - Wholesale - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	6	0	detection	Listeria - L. monocytogenes	6	0
	Molluscan shellfish - cooked - chilled - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	>100	Listeria - L. monocytogenes	2	0
							<= 100	Listeria - L. monocytogenes	2	0
	Molluscan shellfish - cooked - frozen - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	detection	Listeria - L. 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	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
España	Molluscan shellfish - cooked - frozen - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	2	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	2	0
	Molluscan shellfish - cooked - frozen - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	4	0	>100	Listeria - L. monocytogenes	4	0
	Molluscan shellfish - cooked (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	100	Gram	15	0	<= 100	Listeria - L. monocytogenes	4	0
	Molluscan shellfish - cooked (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	100	Gram	15	0	detection	Listeria - L. monocytogenes	15	0
	Other processed food products and prepared dishes - egg based dishes - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Other processed food products and prepared dishes - egg based dishes - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Other processed food products and prepared dishes - egg based dishes - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	4	0	detection	Listeria - L. monocytogenes	4	0
	Other processed food products and prepared dishes - egg based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	22	1	detection	Listeria - L. monocytogenes	22	1
	Other processed food products and prepared dishes - egg based dishes - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	63	0	detection	Listeria - L. monocytogenes	63	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	36	0	detection	Listeria - L. monocytogenes	36	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	8	0	detection	Listeria - L. monocytogenes	8	0
	Other processed food products and prepared dishes - ices and similar frozen desserts - water-based ice creams - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	6	0	detection	Listeria - L. monocytogenes	6	0
	Other processed food products and prepared dishes - ices and similar frozen desserts (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	10	0	detection	Listeria - L. monocytogenes	10	0
	Other processed food products and prepared dishes - ices and similar frozen desserts (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	8	0	detection	Listeria - L. monocytogenes	8	0
	Other processed food products and prepared dishes - ices and similar frozen desserts (not specified) - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	4	0	detection	Listeria - L. monocytogenes	4	0
	Other processed food products and prepared dishes - ices and similar frozen desserts (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	10	0	detection	Listeria - L. monocytogenes	10	0
	Other processed food products and prepared dishes - ices and similar frozen desserts (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Other processed food products and prepared dishes - legumes based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	15	0	detection	Listeria - L. monocytogenes	15	0
	Other processed food products and prepared dishes - legumes based dishes - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	12	0	detection	Listeria - L. monocytogenes	12	0
	Other processed food products and prepared dishes - meat based dishes - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	5	0	detection	Listeria - L. monocytogenes	5	0
	Other processed food products and prepared dishes - meat based dishes - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	15	1	detection	Listeria - L. monocytogenes	15	1
	Other processed food products and prepared dishes - meat based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	73	2	detection	Listeria - L. monocytogenes	73	2



Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
España	Other processed food products and prepared dishes - meat based dishes - Retail - Spain - food sample - meat - Monitoring - Official sampling - Objective sampling	single	100	Gram	71	1	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	1
	Other processed food products and prepared dishes - meat based dishes - Retail - Spain - food sample - meat - Monitoring - Official sampling - Objective sampling	single	100	Gram	71	1	detection	Listeria - L. monocytogenes	71	1
	Other processed food products and prepared dishes - meat based dishes - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	34	0	detection	Listeria - L. monocytogenes	34	0
	Other processed food products and prepared dishes - pasta - filled pasta - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Other processed food products and prepared dishes - pasta based dishes - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	1	detection	Listeria - L. monocytogenes - L. monocytogenes serovar 1/2b	1	1
	Other processed food products and prepared dishes - pasta based dishes - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	12	0	detection	Listeria - L. monocytogenes	12	0
	Other processed food products and prepared dishes - pasta based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	5	0	detection	Listeria - L. monocytogenes	5	0
	Other processed food products and prepared dishes - pasta based dishes - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	15	0	detection	Listeria - L. monocytogenes	15	0
	Other processed food products and prepared dishes - pasta/rice salad - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	14	1	detection	Listeria - L. monocytogenes	14	1
	Other processed food products and prepared dishes - pizza and pizza-like dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Other processed food products and prepared dishes - potato based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	5	0	detection	Listeria - L. monocytogenes	5	0
	Other processed food products and prepared dishes - rice based dishes - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Other processed food products and prepared dishes - rice based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	16	1	detection	Listeria - L. monocytogenes	16	1
	Other processed food products and prepared dishes - sandwiches - non-meat - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Other processed food products and prepared dishes - sandwiches - with meat - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	1	>100	Listeria - L. monocytogenes - L. monocytogenes serovar 4b	1	1
							<= 100	Listeria - L. monocytogenes - L. monocytogenes serovar 4b	1	0
	Other processed food products and prepared dishes - sandwiches - with meat - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	1	detection	Listeria - L. monocytogenes - L. monocytogenes serovar 1/2b	3	1
	Other processed food products and prepared dishes - sandwiches (not specified) - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	10	0	detection	Listeria - L. monocytogenes	10	0
	Other processed food products and prepared dishes - sandwiches (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Other processed food products and prepared dishes - sushi - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Other processed food products and prepared dishes - unspecified - non-ready-to-eat foods (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	31	0	detection	Listeria - L. monocytogenes	31	0
	Other processed food products and prepared dishes - unspecified - non-ready-to-eat foods (not specified) - Retail - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	21	0	>100	Listeria - L. monocytogenes	21	0
<= 100							Listeria - L. monocytogenes	21	0	
Other processed food products and prepared dishes - unspecified - ready-to-eat foods - chilled - Catering (not specified) - Spain - - Clinical investigations - Official sampling - Suspect sampling	single	25	Gram	10	0	detection	Listeria - L. 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	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
España	Other processed food products and prepared dishes - unspecified - ready-to-eat foods (not specified) - Catering (not specified) - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	158	8	>100	Listeria - L. monocytogenes	8	0
							<= 100	Listeria - L. monocytogenes	8	8
		single	25	Gram	134	1	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	1
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods (not specified) - Catering (not specified) - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	158	8	detection	Listeria - L. monocytogenes	158	0
		single	25	Gram	134	1	detection	Listeria - L. monocytogenes	134	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	539	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	539	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods (not specified) - Retail - Spain - - Clinical investigations - Official sampling - Suspect sampling	single	25	Gram	8	0	detection	Listeria - L. monocytogenes	8	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	47	0	detection	Listeria - L. monocytogenes	47	0
	Other processed food products and prepared dishes - unspecified (not specified) - Catering (not specified) - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	57	0	detection	Listeria - L. monocytogenes	57	0
	Other processed food products and prepared dishes - unspecified (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	8	0	detection	Listeria - L. monocytogenes	8	0
	Other processed food products and prepared dishes - unspecified (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	93	1	detection	Listeria - L. monocytogenes	93	1
	Other processed food products and prepared dishes - unspecified (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	130	0	detection	Listeria - L. monocytogenes	130	0
	Other processed food products and prepared dishes - unspecified (not specified) - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	89	1	>100	Listeria - L. monocytogenes	1	1
							<= 100	Listeria - L. monocytogenes	1	0
	Other processed food products and prepared dishes - unspecified (not specified) - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	89	1	detection	Listeria - L. monocytogenes	89	1
	Other processed food products and prepared dishes - vegetable based dishes - Catering (not specified) - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	43	4	>100	Listeria - L. monocytogenes	4	0
							<= 100	Listeria - L. monocytogenes	4	4
							single	25	Gram	112
							<= 100	Listeria - L. monocytogenes	112	0
	Other processed food products and prepared dishes - vegetable based dishes - Catering (not specified) - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	43	4	detection	Listeria - L. monocytogenes	43	4
		single	25	Gram	112	0	detection	Listeria - L. monocytogenes	112	0
	Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	4	2	>100	Listeria - L. monocytogenes	4	0
							<= 100	Listeria - L. monocytogenes	4	2
	Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	4	2	detection	Listeria - L. monocytogenes	4	2
	Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	2	0	detection	Listeria - L. monocytogenes	2	0	
Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	2	0	detection	Listeria - L. monocytogenes	2	0	
Other processed food products and prepared dishes - vegetable based dishes - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	25	7	>100	Listeria - L. monocytogenes	25	0	
						<= 100	Listeria - L. monocytogenes	25	7	
Other processed food products and prepared dishes - vegetable based dishes - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	25	7	detection	Listeria - L. monocytogenes	25	7	

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
España	Other processed food products and prepared dishes - vegetable based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	43	0	detection	Listeria - L. monocytogenes	43	0
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	23	0	detection	Listeria - L. monocytogenes	23	0
	Other processed food products and prepared dishes (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	17	10	>100	Listeria - L. monocytogenes	17	0
							<= 100	Listeria - L. monocytogenes	17	10
	Other processed food products and prepared dishes (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	17	10	detection	Listeria - L. monocytogenes	17	10
	Other processed food products and prepared dishes (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	55	0	detection	Listeria - L. monocytogenes	55	0
	Other processed food products and prepared dishes (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	407	226	>100	Listeria - L. monocytogenes	407	0
							<= 100	Listeria - L. monocytogenes	407	226
	Other processed food products and prepared dishes (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	407	226	detection	Listeria - L. monocytogenes	407	226
	Other processed food products and prepared dishes (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	14	0	>100	Listeria - L. monocytogenes	14	0
							<= 100	Listeria - L. monocytogenes	14	0
	Other processed food products and prepared dishes (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	14	0	detection	Listeria - L. monocytogenes	14	0
	Other processed food products and prepared dishes (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	6	0	detection	Listeria - L. monocytogenes	6	0
							single	100	Gram	7
	Other processed food products and prepared dishes (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	16	0	>100	Listeria - L. monocytogenes	16	0
							<= 100	Listeria - L. monocytogenes	16	0
	Other processed food products and prepared dishes (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	145	0	detection	Listeria - L. monocytogenes	145	0
	Other processed food products and prepared dishes (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	100	Gram	21	0	detection	Listeria - L. monocytogenes	21	0
	Other products of animal origin - gelatin and collagen - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Other products of animal origin - gelatin and collagen - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	100	Gram	7	0	detection	Listeria - L. monocytogenes	7	0
	Other products of animal origin - gelatin and collagen - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	100	Gram	25	0	detection	Listeria - L. monocytogenes	25	0
	Other products of animal origin - gelatin and collagen - Wholesale - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	100	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Ready-to-eat salads - containing mayonnaise - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	8	0	detection	Listeria - L. monocytogenes	8	0
	Ready-to-eat salads - containing mayonnaise - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	20	0	detection	Listeria - L. monocytogenes	20	0
	Ready-to-eat salads - containing mayonnaise - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	3	3	detection	Listeria - L. monocytogenes	3	3
	Ready-to-eat salads (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	8	0	detection	Listeria - L. monocytogenes	8	0
	Ready-to-eat salads (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	>100	Listeria - L. monocytogenes	2	0
							<= 100	Listeria - L. monocytogenes	2	0
Ready-to-eat salads (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	detection	Listeria - L. monocytogenes	2	0	
Ready-to-eat salads (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	2	0	detection	Listeria - L. monocytogenes	2	0	
Ready-to-eat salads (not specified) - Retail - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	51	0	>100	Listeria - L. monocytogenes	51	0	
						<= 100	Listeria - L. monocytogenes	51	0	

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
España	Ready-to-eat salads (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	179	4	>100	Listeria - L. monocytogenes	4	0
							<= 100	Listeria - L. monocytogenes	4	2
	Ready-to-eat salads (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	179	4	detection	Listeria - L. monocytogenes - L. monocytogenes serovar 1/2a	179	4
	Ready-to-eat salads (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	10	0	detection	Listeria - L. monocytogenes	10	0
	Sauce and dressings - mayonnaise - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Sauce and dressings (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Sauce and dressings (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	40	1	detection	Listeria - L. monocytogenes - L. monocytogenes serovar 4b	40	1
	Seeds, sprouted - ready-to-eat - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	5	0	detection	Listeria - L. monocytogenes	5	0
	Soups (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	5	0	detection	Listeria - L. monocytogenes	5	0
	Spices and herbs - dried (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	20	0	detection	Listeria - L. monocytogenes	20	0
	Spices and herbs - dried (not specified) - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	23	0	detection	Listeria - L. monocytogenes	23	0
	Surimi - chilled - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Surimi (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	32	0	detection	Listeria - L. monocytogenes	32	0
	Surimi (not specified) - Wholesale - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	6	0	detection	Listeria - L. monocytogenes	6	0
	Vegetables - pre-cut - frozen vegetables - Packing centre (not specified) - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Vegetables - pre-cut - ready-to-eat - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Vegetables - pre-cut - ready-to-eat - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	14	0	detection	Listeria - L. monocytogenes	14	0
	Vegetables - pre-cut - ready-to-eat - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Vegetables - pre-cut - ready-to-eat - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	11	0	detection	Listeria - L. monocytogenes	11	0
	Vegetables - pre-cut - ready-to-eat - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	20	0	>100	Listeria - L. monocytogenes	20	0
<= 100							Listeria - L. monocytogenes	20	0	
>100							Listeria - L. monocytogenes	2	0	
<= 100							Listeria - L. monocytogenes	2	0	
	Vegetables - pre-cut - ready-to-eat - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	20	0	detection	Listeria - L. monocytogenes	20	0
	Vegetables - pre-cut (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Vegetables - products - cooked (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Vegetables - products - dried - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Vegetables - products - dried - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	4	0	detection	Listeria - L. 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	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
España	Vegetables - products - fruit purée - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Millilitre	9	0	>100	Listeria - L. monocytogenes - L. monocytogenes, unspecified	7	0
							<= 100	Listeria - L. monocytogenes - L. monocytogenes, unspecified	7	0
	Vegetables - products - fruit purée - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Millilitre	9	0	detection	Listeria - L. monocytogenes - L. monocytogenes, unspecified	9	0
	Vegetables - products (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Vegetables - products (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
Water - bottled water - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	100	Gram	1	0	detection	Listeria - L. monocytogenes	1	0	

Table LYSSAVIRUS (RABIES) in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Bats - wild - Natural habitat - Spain - animal sample - brain - Monitoring - passive - Official sampling - Suspect sampling	animal	125	4	Lyssavirus (rabies) - EBLV-1	4
	Cats - pet animals - Veterinary clinics - Spain - animal sample - brain - Monitoring - passive - Official sampling - Suspect sampling	animal	24	0	Lyssavirus (rabies)	0
	Dogs - pet animals - Veterinary clinics - Spain - animal sample - brain - Monitoring - passive - Official sampling - Suspect sampling	animal	25	0	Lyssavirus (rabies)	0
	Ferrets - wild - Natural habitat - Spain - animal sample - brain - Monitoring - passive - Official sampling - Suspect sampling	animal	1	0	Lyssavirus (rabies)	0
	Foxes - wild (not specified) - Natural habitat - Spain - animal sample - brain - Monitoring - passive - Official sampling - Suspect sampling	animal	1	0	Lyssavirus (rabies)	0
	Minks - wild - Natural habitat - Spain - animal sample - brain - Monitoring - passive - Official sampling - Suspect sampling	animal	2	0	Lyssavirus (rabies)	0
	Other animals - wild - Natural habitat - Spain - animal sample - brain - Monitoring - passive - Official sampling - Suspect sampling	animal	2	0	Lyssavirus (rabies)	0
	Rats - wild - Natural habitat - Spain - animal sample - brain - Monitoring - passive - Official sampling - Suspect sampling	animal	4	0	Lyssavirus (rabies)	0

Table MYCOBACTERIUM in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Badgers - wild - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling	animal	71	6	Mycobacterium - M. bovis	6
	Cattle (bovine animals) - adult cattle over 2 years - Slaughterhouse - Spain - - Control and eradication programmes - Official sampling - Not specified	animal	349	349	Mycobacterium - M. bovis	349
	Cattle (bovine animals) - adult cattle over 2 years - Slaughterhouse - Spain - - Monitoring - active - Official sampling - Not specified	animal	2364	27	Mycobacterium - M. bovis	27
	Cattle (bovine animals) - breeding bulls - Slaughterhouse - Spain - - Control and eradication programmes - Official sampling - Not specified	animal	68	68	Mycobacterium - M. bovis	68
	Cattle (bovine animals) - breeding bulls - Slaughterhouse - Spain - - Monitoring - active - Official sampling - Not specified	animal	11040	9	Mycobacterium - M. bovis	9
	Cattle (bovine animals) - unspecified - Slaughterhouse - Spain - - Clinical investigations - Official sampling - Suspect sampling	animal	10683	1261	Mycobacterium - Mycobacterium spp., unspecified	1,261
	Cattle (bovine animals) - unspecified - Slaughterhouse - Spain - - Clinical investigations - Official, based on Regulation 218/2014 - Not specified	animal	16511	61	Mycobacterium - M. bovis	61
	Cattle (bovine animals) - unspecified - Slaughterhouse - Spain - - Control and eradication programmes - Official sampling - Objective sampling	animal	35363	108	Mycobacterium - M. bovis	108
	Cattle (bovine animals) - unspecified - Unspecified - Spain - - Control and eradication programmes - Official sampling - Objective sampling	animal	16511	2050	Mycobacterium - M. bovis	2,050
	Cattle (bovine animals) - young cattle (1-2 years) - Slaughterhouse - Spain - animal sample (not specified) - Survey - national survey - Official sampling - Objective sampling	animal	69964	172	Mycobacterium - M. caprae	145
					Mycobacterium - M. tuberculosis - complex	27
	Cattle (bovine animals) (not specified) - Slaughterhouse - European Union - animal sample (not specified) - Monitoring - active - Official sampling - Objective sampling	slaughter batch	206	0	Mycobacterium - M. tuberculosis	0
	Cattle (bovine animals) (not specified) - Slaughterhouse - Spain - - Surveillance - Official sampling - Not specified	animal	93121	259	Mycobacterium	259
	Cattle (bovine animals) (not specified) - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Suspect sampling	slaughter batch	17214	128	Mycobacterium	128
	Cattle (bovine animals) (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Control and eradication programmes - Official sampling - Suspect sampling	animal	39	11	Mycobacterium - M. avium complex	1
					Mycobacterium - M. bovis	10
	Cattle (bovine animals) (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Monitoring - active - Official sampling - Objective sampling	slaughter batch	97775	121	Mycobacterium - M. tuberculosis	121
	Cattle (bovine animals) (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Surveillance - Official sampling - Census	animal	57231	602	Mycobacterium	602
	Cattle (bovine animals) (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Surveillance - Official sampling - Objective sampling	animal	11569	22	Mycobacterium	22
	Deer - wild - fallow deer - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling	animal	66	9	Mycobacterium - M. bovis	9
	Deer - wild - fallow deer - Hunting - Spain - animal sample (not specified) - Monitoring - active - Official sampling - Objective sampling	slaughter batch	669	21	Mycobacterium - M. tuberculosis	21
	Deer - wild - red deer - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling	animal	1112	139	Mycobacterium - M. bovis	139
	Deer - wild - roe deer - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling	animal	71	0	Mycobacterium - M. bovis	0
	Deer - wild (not specified) - Game handling establishment - Spain - - Clinical investigations - Official sampling - Suspect sampling	animal	51310	3	Mycobacterium - Mycobacterium spp., unspecified	3
	Deer - wild (not specified) - Game handling establishment - Spain - animal sample (not specified) - Surveillance - Official sampling - Census	animal	34	1	Mycobacterium	1
	Deer - wild (not specified) - Hunting - Spain - - Clinical investigations - Official sampling - Suspect sampling	animal	35023	545	Mycobacterium - Mycobacterium spp., unspecified	545
	Deer - wild (not specified) - Hunting - Spain - animal sample (not specified) - Monitoring - active - Official sampling - Objective sampling	slaughter batch	5110	24	Mycobacterium - M. tuberculosis	24
	Deer (not specified) - Hunting - Spain - - Surveillance - Official sampling - Not specified	animal	87342	76	Mycobacterium	76
	Foxes - wild (not specified) - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling	animal	40	8	Mycobacterium - M. bovis	8

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Goats - animals over 1 year - Slaughterhouse - Spain - animal sample (not specified) - Survey - national survey - Official sampling - Objective sampling	animal	23548	573	Mycobacterium - M. tuberculosis - complex	573
	Goats (not specified) - Farm (not specified) - Spain - animal sample (not specified) - Monitoring - active - Official sampling - Selective sampling	animal	15124 4	3449	Mycobacterium - M. tuberculosis - complex	3,449
	Goats (not specified) - Slaughterhouse - Spain - - Clinical investigations - Official sampling - Suspect sampling	animal	60233	261	Mycobacterium - Mycobacterium spp., unspecified	261
	Goats (not specified) - Slaughterhouse - Spain - - Control and eradication programmes - Official sampling - Census	animal	1172	0	Mycobacterium - M. caprae	0
	Goats (not specified) - Slaughterhouse - Spain - - Surveillance - Official sampling - Not specified	animal	37041 2	0	Mycobacterium	0
	Goats (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Monitoring - active - Official sampling - Objective sampling	slaughte r batch	28472	0	Mycobacterium - M. tuberculosis	0
	Pigs - breeding animals - not raised under controlled housing conditions (not specified) - Slaughterhouse - Spain - - Surveillance - Official sampling - Not specified	animal	33793 78	1106	Mycobacterium	1,106
	Pigs - fattening pigs - not raised under controlled housing conditions (not specified) - Slaughterhouse - Spain - - Clinical investigations - Official sampling - Suspect sampling	animal	54371 7	468	Mycobacterium - Mycobacterium spp., unspecified	468
	Pigs (not specified) - Slaughterhouse - European Union - animal sample (not specified) - Monitoring - active - Official sampling - Objective sampling	slaughte r batch	19116	0	Mycobacterium - M. tuberculosis	0
	Pigs (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Monitoring - active - Official sampling - Objective sampling	slaughte r batch	86471 8	0	Mycobacterium - M. tuberculosis	0
	Sheep (not specified) - Farm (not specified) - Spain - animal sample (not specified) - Monitoring - active - Official sampling - Selective sampling	animal	19	2	Mycobacterium - M. tuberculosis - complex	2
	Sheep (not specified) - Slaughterhouse - Spain - - Clinical investigations - Official sampling - Suspect sampling	animal	32159 1	9	Mycobacterium - Mycobacterium spp., unspecified	9
	Sheep (not specified) - Slaughterhouse - Spain - - Surveillance - Official sampling - Not specified	animal	53258 7	0	Mycobacterium	0
	Sheep (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Monitoring - active - Official sampling - Objective sampling	slaughte r batch	14341 2	0	Mycobacterium - M. tuberculosis	0
	Solipeds, domestic (not specified) - Slaughterhouse - Spain - - Surveillance - Official sampling - Not specified	animal	3282	0	Mycobacterium	0
	Wild boars - wild - Game handling establishment - Spain - - Clinical investigations - Official sampling - Suspect sampling	animal	33188	1	Mycobacterium - Mycobacterium spp., unspecified	1
	Wild boars - wild - Game handling establishment - Spain - animal sample (not specified) - Surveillance - Official sampling - Census	animal	121	1	Mycobacterium	1
	Wild boars - wild - Hunting - Spain - - Clinical investigations - Official sampling - Suspect sampling	animal	17332	1339	Mycobacterium - Mycobacterium spp., unspecified	1,339
	Wild boars - wild - Hunting - Spain - - Surveillance - Official sampling - Not specified	animal	44366	17	Mycobacterium	17
	Wild boars - wild - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling	animal	3596	384	Mycobacterium - M. bovis	384
	Wild boars - wild - Hunting - Spain - animal sample (not specified) - Monitoring - active - Official sampling - Objective sampling	slaughte r batch	5176	31	Mycobacterium - M. tuberculosis	31



Table MYCOBACTERIUM in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Meat from deer (venison) - carcase (not specified) - Game handling establishment - Spain - - Monitoring - Official sampling - Suspect sampling	single	25	Gram	61194	76	Mycobacterium	76
	Meat from wild boar - carcase (not specified) - Game handling establishment - Spain - - Monitoring - Official sampling - Suspect sampling	single	25	Gram	38830	90	Mycobacterium	90

Table SALMONELLA in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	N of flocks under control programme	Target verification	Total units tested	Total units positive	Zoonoses	N of units positive	
España	Cattle (bovine animals) - calves (under 1 year) (not specified) - Slaughterhouse - Spain - animal sample - caecum - Monitoring - EFSA specifications - Official sampling - Objective sampling	slaughter batch		NA	384	16	Salmonella - S. Agona	3	
							Salmonella - S. Anatum	3	
							Salmonella - S. Montevideo	2	
							Salmonella - S. Typhimurium	2	
								Salmonella - Salmonella spp., unspecified	6
	Cattle (bovine animals) (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Monitoring - Official sampling - Census	slaughter batch		NA	45	2	Salmonella	2	
	Cattle (bovine animals) (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Surveillance - Official sampling - Objective sampling	slaughter batch			NA	200	6	Salmonella - S. Typhimurium, monophasic	2
								Salmonella - S. Typhimurium, monophasic - RDNC	4
	Gallus gallus (fowl) - breeding flocks for broiler production line - adult - Farm (not specified) - Spain - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock	1691	Y		1691	69	Salmonella - S. Altona	6
								Salmonella - S. Hadar	1
								Salmonella - S. Kentucky	4
								Salmonella - S. Mikawasima	5
								Salmonella - S. Toulon	8
								Salmonella - S. Typhimurium	4
								Salmonella - Salmonella spp., unspecified	43
Gallus gallus (fowl) - breeding flocks for broiler production line - during rearing period - Farm (not specified) - Spain - environmental sample - boot swabs - Control and eradication programmes - Industry sampling - Census	herd/flock			NA	630	18	Salmonella - S. Gloucester	3	
							Salmonella - S. Mikawasima	1	
							Salmonella - S. Rissen	5	
							Salmonella - S. Toulon	1	
							Salmonella - Salmonella spp., unspecified	8	
Gallus gallus (fowl) - breeding flocks for egg production line - adult - Farm (not specified) - Spain - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock	59	Y		59	1	Salmonella - S. Toulon	1	
Gallus gallus (fowl) - breeding flocks for egg production line - during rearing period - Farm (not specified) - Spain - environmental sample - boot swabs - Control and eradication programmes - Industry sampling - Census	herd/flock			NA	266	8	Salmonella - S. Hadar	1	
							Salmonella - S. Kentucky	1	
							Salmonella - Salmonella spp., unspecified	6	
Gallus gallus (fowl) - breeding flocks, unspecified - adult - Farm (not specified) - Spain - environmental sample - boot swabs - Control and eradication programmes - Industry sampling - Census	herd/flock			NA	1670	52	Salmonella - S. Altona	5	
							Salmonella - S. Kentucky	3	
							Salmonella - S. Mikawasima	3	
							Salmonella - S. Toulon	8	
							Salmonella - S. Typhimurium	4	
Salmonella - Salmonella spp., unspecified	29								
Gallus gallus (fowl) - breeding flocks, unspecified - adult - Farm (not specified) - Spain - environmental sample - boot swabs - Control and eradication programmes - Official sampling - Census	herd/flock			NA	1464	25	Salmonella - S. Altona	1	
							Salmonella - S. Hadar	1	
							Salmonella - S. Kentucky	1	
							Salmonella - S. Mikawasima	2	
							Salmonella - S. Toulon	1	

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	N of flocks under control programme	Target verification	Total units tested	Total units positive	Zoonoses	
							N of units positive	
España	Gallus gallus (fowl) - breeding flocks, unspecified - adult - Farm (not specified) - Spain - environmental sample - boot swabs - Control and eradication programmes - Official sampling - Census	herd/flock		NA	1464	25	Salmonella - Salmonella spp., unspecified	19
	Gallus gallus (fowl) - broilers - before slaughter - Farm (not specified) - Spain - environmental sample - boot swabs - Control and eradication programmes - Industry sampling - Census	herd/flock		NA	38820	1787	Salmonella - S. 1,4,5,12:i:-	1
							Salmonella - S. Enteritidis	4
							Salmonella - S. Typhimurium	36
							Salmonella - Salmonella spp., unspecified	1,746
	Gallus gallus (fowl) - broilers - before slaughter - Farm (not specified) - Spain - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock	38870	Y	38870	1818	Salmonella - S. 1,4,5,12:i:-	3
							Salmonella - S. Enteritidis	8
							Salmonella - S. Typhimurium	38
							Salmonella - Salmonella spp., unspecified	1,784
	Gallus gallus (fowl) - broilers - before slaughter - Farm (not specified) - Spain - environmental sample - boot swabs - Control and eradication programmes - Official sampling - Census	herd/flock		NA	516	44	Salmonella - S. 1,4,5,12:i:-	2
							Salmonella - S. Enteritidis	4
							Salmonella - S. Typhimurium	2
							Salmonella - Salmonella spp., unspecified	38
	Gallus gallus (fowl) - laying hens - adult - Farm (not specified) - Spain - animal sample - faeces - Control and eradication programmes - Industry sampling - Census	herd/flock		NA	2358	120	Salmonella - S. Enteritidis	1
							Salmonella - Salmonella spp., unspecified	119
	Gallus gallus (fowl) - laying hens - adult - Farm (not specified) - Spain - animal sample - faeces - Control and eradication programmes - Official and industry sampling - Census	herd/flock	2491	Y	2491	195	Salmonella - S. 1,4,5,12:i:-	2
							Salmonella - S. Enteritidis	14
							Salmonella - S. Typhimurium	3
							Salmonella - Salmonella spp., unspecified	183
	Gallus gallus (fowl) - laying hens - adult - Farm (not specified) - Spain - animal sample - faeces - Control and eradication programmes - Official sampling - Census	herd/flock		NA	702	86	Salmonella - S. 1,4,5,12:i:-	2
						Salmonella - S. Enteritidis	13	
						Salmonella - S. Typhimurium	3	
						Salmonella - Salmonella spp., unspecified	68	
Gallus gallus (fowl) - laying hens - during rearing period (not specified) - Farm (not specified) - Spain - animal sample - faeces - Control and eradication programmes - Industry sampling - Census	herd/flock		NA	1089	21	Salmonella - Salmonella spp., unspecified	21	
Pigs - breeding animals - not raised under controlled housing conditions (not specified) - Slaughterhouse - Spain - Control and eradication programmes - Official, based on Regulation 218/2014 - Objective sampling	animal		NA	30	0	Salmonella	0	
Pigs - breeding animals - raised under controlled housing conditions (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Monitoring - Official sampling - Census	slaughter batch		NA	50	0	Salmonella	0	
Pigs - fattening pigs (not specified) - Slaughterhouse - Spain - animal sample - caecum - Monitoring - EFSA specifications - Official sampling - Objective sampling	slaughter batch			NA	384	139	Salmonella - S. 1,4,5,12:i:-	41
							Salmonella - S. Derby	24
							Salmonella - S. Rissen	30
							Salmonella - S. Typhimurium	22
							Salmonella - Salmonella spp., unspecified	22
Pigs (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Surveillance - Official sampling - Objective sampling	slaughter batch		NA	100	27	Salmonella - S. Bovismorbificans	1	
						Salmonella - S. Derby	4	
						Salmonella - S. Kedougou	1	
						Salmonella - S. London	3	
						Salmonella - S. Reading	1	
						Salmonella - S. Rissen	7	

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	N of flocks under control programme	Target verification	Total units tested	Total units positive	Zoonoses	N of units positive
España	Pigs (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Surveillance - Official sampling - Objective sampling	slaughter batch		NA	100	27	Salmonella - S. Typhimurium - DT 104	1
							Salmonella - S. Typhimurium - DT 104a	1
							Salmonella - S. Typhimurium - Not typeable	1
							Salmonella - S. Typhimurium - RDNC	1
							Salmonella - S. Typhimurium - U 302	2
							Salmonella - S. Typhimurium, monophasic - DT 138	1
							Salmonella - S. Typhimurium, monophasic - DT 195	3
	Turkeys - breeding flocks, unspecified - adult - Farm (not specified) - Spain - environmental sample - boot swabs - Control and eradication programmes - Industry sampling - Census	herd/flock		NA	80	1	Salmonella - Salmonella spp., unspecified	1
	Turkeys - breeding flocks, unspecified - adult - Farm (not specified) - Spain - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock	85	Y	85	1	Salmonella - Salmonella spp., unspecified	1
	Turkeys - breeding flocks, unspecified - during rearing period - Farm (not specified) - Spain - environmental sample - boot swabs - Control and eradication programmes - Industry sampling - Census	herd/flock		NA	39	1	Salmonella - Salmonella spp., unspecified	1
	Turkeys - fattening flocks - before slaughter - Farm (not specified) - Spain - environmental sample - boot swabs - Control and eradication programmes - Industry sampling - Census	herd/flock		NA	3438	559	Salmonella - S. 1,4,5,12:i:-	2
							Salmonella - S. Typhimurium	16
							Salmonella - Salmonella spp., unspecified	541
Turkeys - fattening flocks - before slaughter - Farm (not specified) - Spain - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock	3442	Y	3442	569	Salmonella - S. 1,4,5,12:i:-	2	
						Salmonella - S. Typhimurium	16	
						Salmonella - Salmonella spp., unspecified	554	
Turkeys - fattening flocks - before slaughter - Farm (not specified) - Spain - environmental sample - boot swabs - Control and eradication programmes - Official sampling - Census	herd/flock		NA	72	13	Salmonella - Salmonella spp., unspecified	13	

Table 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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Bakery products - cakes - containing heat-treated cream - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	6	0	Salmonella	0
	Bakery products - cakes (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	105	0	Salmonella	0
	Bakery products - cakes (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	50	0	Salmonella	0
	Bakery products - cakes (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	58	0	Salmonella	0
	Bakery products - cakes (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	10	0	Salmonella	0
	Bakery products - desserts (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	78	0	Salmonella	0
	Bakery products - desserts (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	27	0	Salmonella	0
	Bakery products - pastry - biscuits - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	6	0	Salmonella	0
	Bakery products - pastry - biscuits - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	5	0	Salmonella	0
	Bakery products - pastry - choux pastry - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	4	0	Salmonella	0
	Bakery products - pastry (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	1	0	Salmonella	0
	Bakery products (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	43	0	Salmonella	0
	Bakery products (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	55	0	Salmonella	0
	Bakery products (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Salmonella	0
	Cereals and meals - flakes - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	6	0	Salmonella	0
	Cheeses made from cows' milk - curd - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	Salmonella	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	Salmonella	0
	Cheeses made from cows' milk - fresh - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Salmonella	0
	Cheeses made from cows' milk - fresh (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	3	0	Salmonella	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	Salmonella	0
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	4	0	Salmonella	0
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Salmonella	0
	Cheeses made from cows' milk - hard (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Selective sampling	single	25	Gram	5	0	Salmonella	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	8	0	Salmonella	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	15	0	Salmonella	0
	Cheeses made from cows' milk - soft and semi-soft (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	Salmonella	0
	Cheeses made from cows' milk (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	1	0	Salmonella	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	5	0	Salmonella	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	6	0	Salmonella	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	6	0	Salmonella	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Salmonella	0
	Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	165	1	Salmonella Salmonella - S. Florida	0 1
	Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	48	0	Salmonella	0
	Cheeses made from goats' milk - fresh (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	2	0	Salmonella	0
	Cheeses made from goats' milk - hard - made from pasteurised milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Cheeses made from goats' milk - hard - made from raw or low heat-treated milk - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	3	0	Salmonella	0
	Cheeses made from goats' milk - hard - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	10	0	Salmonella	0
	Cheeses made from goats' milk - hard (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	6	0	Salmonella	0
	Cheeses made from goats' milk - hard (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	1	0	Salmonella	0
	Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	7	0	Salmonella	0
	Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	7	0	Salmonella	0
	Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Salmonella	0
	Cheeses made from goats' milk - unspecified - made from raw or low heat-treated milk - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	2	0	Salmonella	0
	Cheeses made from goats' milk - unspecified - made from raw or low heat-treated milk - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	2	0	Salmonella	0
	Cheeses made from goats' milk - unspecified (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	Salmonella	0
	Cheeses made from goats' milk (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	1	0	Salmonella	0
	Cheeses made from sheep's milk - fresh (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	2	0	Salmonella	0
	Cheeses made from sheep's milk - hard - made from pasteurised milk - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	10	0	Salmonella	0
	Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Cheeses made from sheep's milk - hard (not specified) - Packing centre (not specified) - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	1	0	Salmonella	0
	Cheeses made from sheep's milk - hard (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	8	0	Salmonella	0
	Cheeses made from sheep's milk - hard (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	6	0	Salmonella	0
	Cheeses made from sheep's milk - hard (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	4	0	Salmonella	0
	Cheeses made from sheep's milk - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Cheeses made from sheep's milk - soft and semi-soft - made from pasteurised milk - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Cheeses made from sheep's milk - unspecified - made from raw or low heat-treated milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	5	0	Salmonella	0
	Cheeses made from sheep's milk (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	2	0	Salmonella	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	2	0	Salmonella	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	6	0	Salmonella	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Salmonella	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - hard - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	4	0	Salmonella	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - hard (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	2	0	Salmonella	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from pasteurised milk - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	15	0	Salmonella	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	2	1	Salmonella	1
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	Salmonella	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - unspecified - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	50	0	Salmonella	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - unspecified - made from raw or low heat-treated milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	100	Gram	50	0	Salmonella	0
	Cheeses, made from mixed milk from cows, sheep and/or goats (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	2	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Cheeses, made from unspecified milk or other animal milk - fresh - made from pasteurised milk - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	100	Gram	1	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from pasteurised milk - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - hard - made from raw or low heat-treated milk - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	11	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - hard (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	13	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - hard (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - hard (not specified) - Unspecified - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	32	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - made from pasteurised milk - Wholesale - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	1	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - made from pasteurised milk - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	3	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft (not specified) - Unspecified - Spain - - Clinical investigations - Official sampling - Not specified	batch	25	Gram	1	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft (not specified) - Unspecified - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	10	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - spreadable - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	24	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	100	Gram	2	0	Salmonella	0
	Chocolate - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	1	0	Salmonella	0
	Cocoa and cocoa preparations, coffee and tea - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	3	0	Salmonella	0
	Confectionery products and pastes (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	12	0	Salmonella	0
	Confectionery products and pastes (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	30	Gram	16	0	Salmonella	0
	Confectionery products and pastes (not specified) - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	30	Gram	1	0	Salmonella	0
	Crustaceans - prawns - cooked - chilled - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	5	0	Salmonella	0
	Crustaceans - prawns - cooked - chilled - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Crustaceans - prawns - cooked - frozen - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Crustaceans - prawns - cooked - frozen - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	1	0	Salmonella	0
	Crustaceans - prawns - cooked - frozen - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Crustaceans - prawns - cooked (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	8	0	Salmonella	0
	Crustaceans - prawns - raw - frozen - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Crustaceans - prawns - shelled, shucked and cooked (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Crustaceans - prawns - shelled, shucked and cooked (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	10	0	Salmonella	0
	Crustaceans - shrimps - cooked - chilled - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Crustaceans - shrimps - cooked - frozen - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Crustaceans - shrimps - cooked - frozen - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Crustaceans - shrimps - cooked - frozen - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Crustaceans - shrimps - cooked (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	2	0	Salmonella	0
	Crustaceans - unspecified - cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Crustaceans - unspecified - cooked (not specified) - Packing centre (not specified) - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	8	0	Salmonella	0
	Crustaceans - unspecified - cooked (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Crustaceans - unspecified - cooked (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	40	0	Salmonella	0
	Crustaceans - unspecified - cooked (not specified) - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	100	Gram	8	0	Salmonella	0
	Crustaceans - unspecified - cooked (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	9	0	Salmonella	0
	Crustaceans - unspecified - cooked (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	6	0	Salmonella	0
	Crustaceans - unspecified - cooked (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	100	Gram	30	0	Salmonella	0
	Crustaceans - unspecified - cooked (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	100	Gram	25	0	Salmonella	0
	Crustaceans - unspecified - cooked (not specified) - Wholesale - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Crustaceans - unspecified - cooked (not specified) - Wholesale - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	3	0	Salmonella	0
			100	Gram	1	0	Salmonella	0
	Dairy products (excluding cheeses) - dairy desserts (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Dairy products (excluding cheeses) - dairy products, not specified (not specified) - Unspecified - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	1	0	Salmonella	0
	Dairy products (excluding cheeses) - fermented dairy products (not specified) - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	100	Gram	40	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	113	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	2	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	100	Gram	20	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	20	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - made from raw or low heat-treated milk - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	21	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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Dairy products (excluding cheeses) - ice-cream (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	23	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream (not specified) - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	6	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	35	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	7	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	8	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	2	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	5	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream (not specified) - Unspecified - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	29	0	Salmonella	0
	Dairy products (excluding cheeses) - milk powder and whey powder - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	10	0	Salmonella	0
	Dairy products (excluding cheeses) - milk powder and whey powder - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	1	0	Salmonella	0
	Dairy products (excluding cheeses) - yoghurt - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Egg products - dried - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Salmonella	0
	Egg products - dried - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Egg products - liquid - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	3	0	Salmonella	0
	Egg products - liquid - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	7	0	Salmonella	0
	Egg products - liquid - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Egg products (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	250	Gram	5	0	Salmonella	0
	Egg products (not specified) - Unspecified - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	4	0	Salmonella	0
	Eggs - table eggs - shell - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	59	1	Salmonella - S. Typhimurium	1
	Eggs - table eggs - shell - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	28	0	Salmonella	0
	Eggs - table eggs - whole - Packing centre (not specified) - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	7	0	Salmonella	0
	Eggs - table eggs - whole - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	59	0	Salmonella	0
	Eggs - table eggs - whole - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Eggs - table eggs - whole - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	28	0	Salmonella	0
	Eggs - table eggs (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	1	0	Salmonella	0
	Eggs - table eggs (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	10	Gram	108	23	Salmonella - S. Bardo	1
							Salmonella - S. Corvallis	1
							Salmonella - S. Enteritidis	3
							Salmonella - S. Kentucky	2
							Salmonella - S. Mbandaka	1
							Salmonella - S. Ohio	2

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Eggs - table eggs (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	10	Gram	108	23	Salmonella - S. Rissen	8
							Salmonella - S. Tennessee	3
							Salmonella - S. Typhimurium	6
	Eggs - table eggs (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	100	Gram	14	1	Salmonella - S. Enteritidis - 9	1
	Eggs (not specified) - Packing centre (not specified) - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	34	0	Salmonella	0
	Eggs (not specified) - Packing centre (not specified) - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	67	0	Salmonella	0
	Eggs (not specified) - Packing centre (not specified) - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	12	0	Salmonella	0
	Eggs (not specified) - Packing centre (not specified) - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	100	Gram	7	0	Salmonella	0
	Eggs (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	81	0	Salmonella	0
	Eggs (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Salmonella	0
	Eggs (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	100	Gram	4	0	Salmonella	0
	Eggs (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	100	Gram	2	0	Salmonella	0
	Eggs (not specified) - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Fish - cooked - chilled - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	1	0	Salmonella	0
	Fish - cooked - chilled - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	1	0	Salmonella	0
	Fish - gravad /slightly salted - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	8	0	Salmonella	0
	Fish - raw - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	7	0	Salmonella	0
	Fish - raw - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	5	0	Salmonella	0
	Fish - raw - chilled - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	4	0	Salmonella	0
	Fish - raw - frozen - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Fish - raw - frozen - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Fish - raw (not specified) - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	1	0	Salmonella	0
	Fish - smoked (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Fish - smoked (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	3	0	Salmonella	0
	Fish - smoked (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Fish - smoked (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	3	0	Salmonella	0
	Fish - smoked (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	3	0	Salmonella	0
	Fish - smoked (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	100	Gram	25	0	Salmonella	0
	Fish - smoked (not specified) - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Fishery products, unspecified - cooked (not specified) - Unspecified - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	41	0	Salmonella	0
	Fishery products, unspecified - non-ready-to-eat - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Salmonella	0
	Fishery products, unspecified - non-ready-to-eat - frozen - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Salmonella	0
	Fishery products, unspecified - raw (not specified) - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	3	0	Salmonella	0
	Fishery products, unspecified - raw (not specified) - Unspecified - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	22	0	Salmonella	0
	Fishery products, unspecified - ready-to-eat (not specified) - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Fishery products, unspecified - ready-to-eat (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	5	0	Salmonella	0
	Fishery products, unspecified (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Fishery products, unspecified (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Fishery products, unspecified (not specified) - Unspecified - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	1	0	Salmonella	0
	Foodstuffs intended for special nutritional uses - dried dietary foods for special medical purposes intended for infants below 6 months - Unspecified - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	14	0	Salmonella	0
	Foodstuffs intended for special nutritional uses - other food for infants and children - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	100	Gram	60	0	Salmonella	0
	Foodstuffs intended for special nutritional uses - other food for infants and children - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	10	0	Salmonella	0
	Foodstuffs intended for special nutritional uses - other food for infants and children - Wholesale - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	2	0	Salmonella	0
	Foodstuffs intended for special nutritional uses - other food for infants and children - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Salmonella	0
	Foodstuffs intended for special nutritional uses - processed cereal-based food for infants and young children - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Foodstuffs intended for special nutritional uses - processed cereal-based food for infants and young children - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	2	0	Salmonella	0
	Foodstuffs intended for special nutritional uses - processed cereal-based food for infants and young children - Wholesale - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Fruits - pre-cut - ready-to-eat - Catering (not specified) - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	18	0	Salmonella	0
	Fruits - pre-cut - ready-to-eat - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	72	0	Salmonella	0
	Fruits - pre-cut - ready-to-eat - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	12	0	Salmonella	0
	Fruits - pre-cut - ready-to-eat - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	5	0	Salmonella	0
	Fruits - pre-cut - ready-to-eat - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	21	0	Salmonella	0
	Fruits - pre-cut - ready-to-eat - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	3	0	Salmonella	0
	Fruits - pre-cut (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	10	0	Salmonella	0
	Fruits - pre-cut (not specified) - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	1	0	Salmonella	0
	Fruits - products - dried - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	2	0	Salmonella	0
	Fruits - products - fruit purée - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	6	0	Salmonella	0
	Fruits (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Salmonella	0
	Fruits and vegetables - pre-cut - ready-to-eat - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Fruits and vegetables - pre-cut - ready-to-eat - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Salmonella	0
	Fruits and vegetables - pre-cut - ready-to-eat - Unspecified - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	64	0	Salmonella	0
	Fruits and vegetables - pre-cut (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	1	0	Salmonella	0
	Fruits and vegetables - products - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Millilitre	2	0	Salmonella	0
	Fruits and vegetables - products - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	7	0	Salmonella	0
	Fruits and vegetables - products - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	1	0	Salmonella	0
	Fruits and vegetables - products - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Millilitre	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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Fruits and vegetables - products - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	15	0	Salmonella	0
	Fruits and vegetables - products - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	2	0	Salmonella	0
	Infant formula - dried - intended for infants below 6 months - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	1	0	Salmonella	0
	Infant formula - dried - intended for infants below 6 months - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	8	0	Salmonella	0
	Infant formula - dried - intended for infants below 6 months - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	4	0	Salmonella	0
	Infant formula - dried - intended for infants below 6 months - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	1	0	Salmonella	0
	Infant formula - dried - intended for infants below 6 months - Wholesale - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	4	0	Salmonella	0
	Infant formula - dried - intended for infants below 6 months - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Infant formula - dried (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	4	0	Salmonella	0
	Juice - fruit juice - unpasteurised - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	5	0	Salmonella	0
	Juice - fruit juice - unpasteurised - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	13	0	Salmonella	0
	Juice - fruit juice - unpasteurised - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	7	0	Salmonella	0
	Juice - fruit juice (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	8	0	Salmonella	0
	Juice - fruit juice (not specified) - Wholesale - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	2	0	Salmonella	0
	Juice - mixed juice (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Salmonella	0
	Juice - vegetable juice - unpasteurised - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	150	0	Salmonella	0
	Juice - vegetable juice (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	1	0	Salmonella	0
	Juice - vegetable juice (not specified) - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Juice (not specified) - Unspecified - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	14	0	Salmonella	0
	Live bivalve molluscs - mussels - depurated - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	4	0	Salmonella	0
	Live bivalve molluscs - mussels - depurated - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	3	0	Salmonella	0
	Live bivalve molluscs - mussels - depurated - Wholesale - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	Salmonella	0
	Live bivalve molluscs - mussels (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	1	Salmonella - S. Agona	1
	Live bivalve molluscs - oysters - depurated - Unspecified - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	100	Gram	1	0	Salmonella	0
	Live bivalve molluscs - oysters (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Live bivalve molluscs - unspecified - depurated - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	5	0	Salmonella	0
	Live bivalve molluscs (not specified) - Conservation facilities - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	12	0	Salmonella	0
	Live bivalve molluscs (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Live bivalve molluscs (not specified) - Wholesale - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Live echinodermis, tunicates and gastropods - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	6	0	Salmonella	0
	Meat from bovine animals - carcass - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Meat from bovine animals - carcass - chilled - Slaughterhouse - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	66	1	Salmonella Salmonella - S. Anatum	0 1
	Meat from bovine animals - carcass (not specified) - Cutting plant - Spain - - Surveillance - Official sampling - Objective sampling	single	400	Square centimetre	5	0	Salmonella	0
	Meat from bovine animals - carcass (not specified) - Slaughterhouse - Spain - - Monitoring - active - Official sampling - Objective sampling	single	400	Square centimetre	11	0	Salmonella	0
	Meat from bovine animals - carcass (not specified) - Slaughterhouse - Spain - - Surveillance - Official sampling - Not specified	slaughter batch		NOT AVAILABLE	47	1	Salmonella - S. Bredeney	1
	Meat from bovine animals - carcass (not specified) - Slaughterhouse - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	135	11	Salmonella	11
	Meat from bovine animals - carcass (not specified) - Slaughterhouse - Spain - - Surveillance - Official sampling - Objective sampling	single	400	Square centimetre	15	0	Salmonella	0
	Meat from bovine animals - carcass (not specified) - Slaughterhouse - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	12	0	Salmonella	0
	Meat from bovine animals - fresh - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Meat from bovine animals - fresh - frozen - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Meat from bovine animals - fresh - frozen - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	7	0	Salmonella	0
	Meat from bovine animals - fresh - frozen - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Meat from bovine animals - fresh - frozen - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Salmonella	0
	Meat from bovine animals - fresh (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	25	Gram	60	0	Salmonella	0
			100	Gram	35	0	Salmonella	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	6	0	Salmonella	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - frozen - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	12	1	Salmonella - S. Derby	1
	Meat from bovine animals - meat preparation - intended to be eaten cooked - frozen - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	2	0	Salmonella	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	4	0	Salmonella	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	3	0	Salmonella	0
	Meat from bovine animals - meat preparation (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	21	0	Salmonella	0
	Meat from bovine animals - meat preparation (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	2	0	Salmonella	0
	Meat from bovine animals - meat preparation (not specified) - Retail - Spain - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	1	0	Salmonella	0
	Meat from bovine animals - meat preparation (not specified) - Retail - Spain - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	3	1	Salmonella - Salmonella spp., unspecified	1
	Meat from bovine animals - meat preparation (not specified) - Retail - Spain - food sample - meat - Surveillance - Official sampling - Suspect sampling	single	100	Gram	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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Meat from bovine animals - meat preparation (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	10	0	Salmonella	0
	Meat from bovine animals - meat preparation (not specified) - Wholesale - Spain - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	1	0	Salmonella	0
	Meat from bovine animals - meat products - cooked, ready-to-eat - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Meat from bovine animals - meat products - raw and intended to be eaten raw (not specified) - Retail - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	1	0	Salmonella	0
	Meat from bovine animals - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Salmonella	0
	Meat from bovine animals - meat products - raw but intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Salmonella	0
	Meat from bovine animals - meat products (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	1	0	Salmonella	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	24	0	Salmonella	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	2	0	Salmonella	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	37	0	Salmonella	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	4	0	Salmonella	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - frozen - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Meat from bovine animals - minced meat (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	10	0	Salmonella	0
	Meat from bovine animals - minced meat (not specified) - Retail - Spain - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	8	1	Salmonella	1
		single	100	Gram	3	0	Salmonella	0
	Meat from bovine animals - minced meat (not specified) - Retail - Spain - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	13	0	Salmonella	0
	Meat from bovine animals - minced meat (not specified) - Wholesale - Spain - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	2	0	Salmonella	0
	Meat from bovine animals - minced meat (not specified) - Wholesale - Spain - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	2	0	Salmonella	0
	Meat from bovine animals (not specified) - Cutting plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	9	0	Salmonella	0
	Meat from bovine animals (not specified) - Packing centre (not specified) - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	3	0	Salmonella	0
	Meat from bovine animals (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	3	0	Salmonella	0
	Meat from bovine animals (not specified) - Retail - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	2	0	Salmonella	0
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	7	0	Salmonella	0
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	6	0	Salmonella	0
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	batch	10	Gram	1	0	Salmonella	0
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Salmonella	0
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	2	1	Salmonella - Not typeable	1

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Meat from bovine animals and pig - meat preparation (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	15	5	Salmonella - S. Typhimurium, monophasic - DT 104b	2
							Salmonella - S. Typhimurium, monophasic - DT 195	3
	Meat from bovine animals and pig - meat preparation (not specified) - Retail - Spain - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	1	1	Salmonella - Salmonella spp., unspecified	1
	Meat from bovine animals and pig - meat preparation (not specified) - Retail - Spain - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	4	0	Salmonella	0
		single	100	Gram	3	0	Salmonella	0
	Meat from bovine animals and pig - meat preparation (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	60	10	Salmonella - S. Typhimurium, monophasic - DT 138	5
							Salmonella - S. Typhimurium, monophasic - DT 22	4
							Salmonella - S. Typhimurium, monophasic - U 302	1
	Meat from bovine animals and pig - meat products - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	100	Gram	23	0	Salmonella	0
	Meat from bovine animals and pig - meat products - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Meat from bovine animals and pig - meat products - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	100	Gram	29	0	Salmonella	0
	Meat from bovine animals and pig - minced meat - intended to be eaten cooked - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Salmonella	0
	Meat from bovine animals and pig - minced meat (not specified) - Retail - Spain - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	2	0	Salmonella	0
	Meat from bovine animals and pig - minced meat (not specified) - Retail - Spain - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	7	0	Salmonella	0
		single	100	Gram	2	0	Salmonella	0
	Meat from broilers (Gallus gallus) - carcass - chilled - Slaughterhouse - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	32	9	Salmonella	0
							Salmonella - S. Agona	1
							Salmonella - S. Corvallis	6
						Salmonella - S. Enteritidis	2	
	Meat from broilers (Gallus gallus) - fresh - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	7	1	Salmonella	0
							Salmonella - S. Typhimurium	1
	Meat from broilers (Gallus gallus) - fresh - chilled - Slaughterhouse - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	25	Gram	24	7	Salmonella - Other serovars	7
	Meat from broilers (Gallus gallus) - fresh - chilled - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	5	0	Salmonella	0
	Meat from broilers (Gallus gallus) - fresh - frozen - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	15	4	Salmonella	0
							Salmonella - S. Infantis	3
							Salmonella - S. Typhimurium	1
	Meat from broilers (Gallus gallus) - fresh - frozen - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Salmonella	0
	Meat from broilers (Gallus gallus) - fresh - frozen - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	5	0	Salmonella	0
	Meat from broilers (Gallus gallus) - fresh (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	14	1	Salmonella - S. Mikawasima	1
Meat from broilers (Gallus gallus) - fresh (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	9	0	Salmonella	0	
Meat from broilers (Gallus gallus) - fresh (not specified) - Retail - Spain - food sample - meat - Surveillance - Official sampling - Suspect sampling	single	100	Gram	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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Meat from broilers (Gallus gallus) - fresh (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	100	1	Salmonella - S. Typhimurium - U 302	1
	Meat from broilers (Gallus gallus) - fresh (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	25	Gram	60	1	Salmonella - S. Enteritidis	1
	Meat from broilers (Gallus gallus) - fresh (not specified) - Wholesale - Spain - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	5	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	4	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	19	2	Salmonella	0
							Salmonella - S. Heidelberg	2
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked (not specified) - Cutting plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	1	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	15	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	100	Gram	11	2	Salmonella - S. Enteritidis - 9	1
							Salmonella - S. Kentucky	1
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	4	4	Salmonella - S. Derby	1
							Salmonella - S. Mikawasima	1
							Salmonella - S. Oritamerin	1
							Salmonella - S. Tumodi	1
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	6	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	2	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	100	Gram	26	4	Salmonella - S. 4,5,12:b:-	1
							Salmonella - S. Derby	1
							Salmonella - S. Kentucky	2
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	2	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked (not specified) - Slaughterhouse - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	2	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	10	1	Salmonella - S. Typhimurium	1
	Meat from broilers (Gallus gallus) - meat preparation (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	40	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	3	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	2	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	1	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	30	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation (not specified) - Retail - Spain - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	2	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	2	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat products - cooked, ready-to-eat (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Meat from broilers (Gallus gallus) - meat products (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	3	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat products (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	11	1	Salmonella	1
	Meat from broilers (Gallus gallus) - mechanically separated meat (MSM) (not specified) - Processing plant - Spain - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Meat from broilers (Gallus gallus) - mechanically separated meat (MSM) (not specified) - Processing plant - Spain - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	2	0	Salmonella	0
	Meat from broilers (Gallus gallus) - minced meat - intended to be eaten cooked - chilled - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	2	0	Salmonella	0
	Meat from broilers (Gallus gallus) - minced meat - intended to be eaten cooked (not specified) - Processing plant - Spain - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	5	0	Salmonella	0
	Meat from broilers (Gallus gallus) - minced meat - intended to be eaten raw - chilled - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	8	2	Salmonella - Other serovars	2
	Meat from broilers (Gallus gallus) - minced meat (not specified) - Processing plant - Spain - Surveillance - Official sampling - Objective sampling	single	25	Gram	40	0	Salmonella	0
	Meat from broilers (Gallus gallus) - minced meat (not specified) - Retail - Spain - Surveillance - Official sampling - Objective sampling	single	25	Gram	50	0	Salmonella	0
	Meat from broilers (Gallus gallus) - offal - liver - chilled - Wholesale - Spain - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Meat from broilers (Gallus gallus) (not specified) - Processing plant - Spain - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	55	0	Salmonella	0
	Meat from broilers (Gallus gallus) (not specified) - Retail - Spain - food sample - meat - Monitoring - Official sampling - Objective sampling	single	100	Gram	71	5	Salmonella	5
	Meat from duck - carcase (not specified) - Slaughterhouse - Spain - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Salmonella	0
	Meat from duck - meat products - cooked, ready-to-eat - chilled - Processing plant - Spain - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	4	0	Salmonella	0
	Meat from duck - meat products - cooked, ready-to-eat (not specified) - Retail - Spain - Monitoring - Official sampling - Objective sampling	single	25	Gram	1	0	Salmonella	0
	Meat from duck - meat products - raw and intended to be eaten raw (not specified) - Processing plant - Spain - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	1	0	Salmonella	0
	Meat from goat - carcase - chilled - Slaughterhouse - Spain - Surveillance - Official sampling - Selective sampling	single	25	Gram	13	2	Salmonella	0
							Salmonella - S. Typhimurium	2
	Meat from goat - carcase (not specified) - Slaughterhouse - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	11	1	Salmonella	1
	Meat from horse - carcase (not specified) - Slaughterhouse - Spain - Surveillance - Official sampling - Objective sampling	batch	25	Gram	50	0	Salmonella	0
	Meat from horse - meat preparation - intended to be eaten cooked - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	1	0	Salmonella	0
	Meat from other animal species or not specified - carcase (not specified) - Slaughterhouse - Spain - Surveillance - Official sampling - Not specified	slaughter batch		NOT AVAILABLE	16	1	Salmonella	1
	Meat from other animal species or not specified - meat preparation - intended to be eaten cooked - chilled - Processing plant - Spain - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Salmonella	0
	Meat from other animal species or not specified - meat preparation - intended to be eaten cooked (not specified) - Unspecified - Spain - Surveillance - Official sampling - Not specified	batch	25	Gram	164	7	Salmonella	7
							Salmonella - S. Thompson	7
							Salmonella - S. Typhimurium	7
	Meat from other animal species or not specified - meat preparation - intended to be eaten raw (not specified) - Unspecified - Spain - Surveillance - Official sampling - Not specified	batch	25	Gram	9	0	Salmonella	0
	Meat from other animal species or not specified - meat preparation (not specified) - Processing plant - Spain - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	2	0	Salmonella	0
	Meat from other animal species or not specified - meat products (not specified) - Retail - Spain - Surveillance - Official sampling - Selective sampling	single	25	Gram	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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Meat from other animal species or not specified - mechanically separated meat (MSM) (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	20	4	Salmonella	4
	Meat from other animal species or not specified - mechanically separated meat (MSM) (not specified) - Unspecified - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	1	0	Salmonella	0
	Meat from other animal species or not specified - minced meat (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	3	0	Salmonella	0
	Meat from other animal species or not specified (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	1	0	Salmonella	0
	Meat from other poultry species - carcass (not specified) - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	1	0	Salmonella	0
	Meat from other poultry species - carcass (not specified) - Slaughterhouse - Spain - - Surveillance - Official sampling - Objective sampling	slaughter batch	25	Gram	165	3	Salmonella	3
	Meat from other poultry species - meat products (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	5	0	Salmonella	0
	Meat from other poultry species - minced meat - intended to be eaten cooked - chilled - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	2	0	Salmonella	0
	Meat from other poultry species - minced meat (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	10	0	Salmonella	0
	Meat from pig - carcass - chilled - Slaughterhouse - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	112	0	Salmonella	0
	Meat from pig - carcass (not specified) - Cutting plant - Spain - - Surveillance - Official sampling - Objective sampling	single	400	Square centimetre	95	5	Salmonella	5
	Meat from pig - carcass (not specified) - Slaughterhouse - Spain - - Control and eradication programmes - HACCP and own check - Not specified	single	400	Square centimetre	2036	84	Salmonella - Salmonella spp., unspecified	84
	Meat from pig - carcass (not specified) - Slaughterhouse - Spain - - Control and eradication programmes - Official sampling - Objective sampling	single	400	Square centimetre	533	142	Salmonella - S. Anatum	9
							Salmonella - S. Bovismorbificans	3
							Salmonella - S. Brandenburg	2
							Salmonella - S. Derby	13
							Salmonella - S. Enteritidis	2
							Salmonella - S. London	1
							Salmonella - S. Ohio	4
							Salmonella - S. Reading	2
							Salmonella - S. Rissen	9
							Salmonella - S. Tees	1
							Salmonella - S. Typhimurium	13
							Salmonella - S. Typhimurium, monophasic	31
							Salmonella - Salmonella spp., unspecified	52
	Meat from pig - carcass (not specified) - Slaughterhouse - Spain - - Monitoring - active - Official sampling - Objective sampling	single	400	Square centimetre	1	1	Salmonella - Salmonella spp., unspecified	1
	Meat from pig - carcass (not specified) - Slaughterhouse - Spain - - Surveillance - Official sampling - Not specified	slaughter batch		NOT AVAILABLE	46	4	Salmonella - S. Rissen	4
							Salmonella - S. Typhimurium	4
	Meat from pig - carcass (not specified) - Slaughterhouse - Spain - - Surveillance - Official sampling - Objective sampling	single	400	Square centimetre	20	0	Salmonella	0
	Meat from pig - carcass (not specified) - Slaughterhouse - Spain - - Survey - Official sampling - Suspect sampling	single	400	Square centimetre	5	0	Salmonella	0
	Meat from pig - carcass (not specified) - Slaughterhouse - Spain - food sample - carcass swabs - Monitoring - active - HACCP and own check - Selective sampling	slaughter batch		Gram	17	2	Salmonella	2
	Meat from pig - carcass (not specified) - Slaughterhouse - Spain - food sample - carcass swabs - Surveillance - Official sampling - Objective sampling	slaughter batch		NOT AVAILABLE	50	9	Salmonella - Salmonella spp., unspecified	9

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Meat from pig - carcass (not specified) - Slaughterhouse - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	38	9	Salmonella - Other serovars	9
	Meat from pig - fresh - frozen - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	6	0	Salmonella	0
	Meat from pig - fresh - frozen - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	4	1	Salmonella	0
							Salmonella - S. Typhimurium, monophasic	1
	Meat from pig - fresh - frozen - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Salmonella	0
	Meat from pig - fresh (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	100	Gram	37	1	Salmonella - S. Rissen	1
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	14	1	Salmonella	0
							Salmonella - S. Typhimurium	1
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	5	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	20	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	9	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	51	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	84	12	Salmonella - Not typeable	3
							Salmonella - S. Derby	1
							Salmonella - S. Typhimurium	3
							Salmonella - S. Typhimurium, monophasic	5
	Meat from pig - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	batch	10	Gram	12	4	Salmonella - S. Rissen	2
							Salmonella - S. Typhimurium	2
	Meat from pig - meat preparation - intended to be eaten cooked (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	5	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten cooked (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	24	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten cooked (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	9	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten raw (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	31	1	Salmonella	1
	Meat from pig - meat preparation - intended to be eaten raw (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	15	0	Salmonella	0
	Meat from pig - meat preparation (not specified) - Cutting plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	1	0	Salmonella	0
	Meat from pig - meat preparation (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	48	1	Salmonella - S. Rissen	1
	Meat from pig - meat preparation (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	40	2	Salmonella	2
	Meat from pig - meat preparation (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	65	16	Salmonella - S. 4,[5],12:i:-	4
							Salmonella - S. 4,12:i:-	2
							Salmonella - S. Derby	1
							Salmonella - S. Typhimurium, monophasic - RDNC	9
	Meat from pig - meat preparation (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	2	0	Salmonella	0
			1250	Gram	29	5	Salmonella	5
	Meat from pig - meat preparation (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	6	2	Salmonella - S. Typhimurium	2

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Meat from pig - meat preparation (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	60	0	Salmonella	0
	Meat from pig - meat preparation (not specified) - Retail - Spain - food sample - meat - Monitoring - active - Official sampling - Objective sampling	single	100	Gram	1	0	Salmonella	0
	Meat from pig - meat preparation (not specified) - Retail - Spain - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	2	0	Salmonella	0
	Meat from pig - meat preparation (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	60	5	Salmonella - S. Typhimurium, monophasic - DT 138	4
							Salmonella - S. Typhimurium, monophasic - RDNC	1
	Meat from pig - meat preparation (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	3	1	Salmonella - Salmonella spp., unspecified	1
			1250	Gram	32	1	Salmonella	1
	Meat from pig - meat preparation (not specified) - Wholesale - Spain - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	3	0	Salmonella	0
	Meat from pig - meat products - cooked ham (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	3	0	Salmonella	0
	Meat from pig - meat products - cooked, ready-to-eat - chilled - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	4	0	Salmonella	0
	Meat from pig - meat products - cooked, ready-to-eat - chilled - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	38	0	Salmonella	0
	Meat from pig - meat products - cooked, ready-to-eat - chilled - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	9	0	Salmonella	0
	Meat from pig - meat products - cooked, ready-to-eat - chilled - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	26	0	Salmonella	0
	Meat from pig - meat products - cooked, ready-to-eat - chilled - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	14	0	Salmonella	0
	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	31	0	Salmonella	0
	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	1	0	Salmonella	0
	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	6	0	Salmonella	0
	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	5	0	Salmonella	0
	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	2	0	Salmonella	0
	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	1	0	Salmonella	0
	Meat from pig - meat products - fermented sausages - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	48	1	Salmonella	0
							Salmonella - S. Gloucester	1
	Meat from pig - meat products - fermented sausages - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	5	0	Salmonella	0
	Meat from pig - meat products - fermented sausages - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	17	2	Salmonella - Not typeable	1
							Salmonella - S. Typhimurium	1
	Meat from pig - meat products - fermented sausages - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	batch	25	Gram	2	0	Salmonella	0
	Meat from pig - meat products - fermented sausages - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	4	0	Salmonella	0
	Meat from pig - meat products - fermented sausages - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Meat from pig - meat products - fresh raw sausages - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Meat from pig - meat products - fresh raw sausages - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	5	0	Salmonella	0
	Meat from pig - meat products - meat specialties - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	1	0	Salmonella	0
	Meat from pig - meat products - meat specialties - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	13	0	Salmonella	0
	Meat from pig - meat products - pâté - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Meat from pig - meat products - raw and intended to be eaten raw - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Meat from pig - meat products - raw and intended to be eaten raw - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Meat from pig - meat products - raw and intended to be eaten raw (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	25	1	Salmonella - S. Goldcoast	1
	Meat from pig - meat products - raw and intended to be eaten raw (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	60	0	Salmonella	0
	Meat from pig - meat products - raw and intended to be eaten raw (not specified) - Retail - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	12	1	Salmonella - S. Typhimurium	1
	Meat from pig - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	6	0	Salmonella	0
	Meat from pig - meat products - raw but intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	6	0	Salmonella	0
	Meat from pig - meat products - raw but intended to be eaten cooked - chilled - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Meat from pig - meat products - raw but intended to be eaten cooked (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	9	1	Salmonella - S. Derby	1
	Meat from pig - meat products - raw but intended to be eaten cooked (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	14	1	Salmonella - Salmonella spp., unspecified	1
	Meat from pig - meat products - raw but intended to be eaten cooked (not specified) - Retail - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	3	0	Salmonella	0
	Meat from pig - meat products - raw ham - Packing centre (not specified) - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	2	0	Salmonella	0
	Meat from pig - meat products - raw ham - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	2	0	Salmonella	0
	Meat from pig - meat products - raw ham - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	5	0	Salmonella	0
	Meat from pig - meat products - raw ham - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	1	0	Salmonella	0
	Meat from pig - meat products (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	140	9	Salmonella - S. Enteritidis - PT 21	3
							Salmonella - S. Typhimurium, monophasic - DT 195	3
							Salmonella - S. Typhimurium, monophasic - RDNC	3
	Meat from pig - meat products (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	500	Gram	23	0	Salmonella	0
			1250	Gram	5	1	Salmonella	1
	Meat from pig - meat products (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	9	0	Salmonella	0
	Meat from pig - mechanically separated meat (MSM) (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Meat from pig - minced meat - intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Meat from pig - minced meat - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Salmonella	0
	Meat from pig - minced meat (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	10	0	Salmonella	0
	Meat from pig - minced meat (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	70	0	Salmonella	0
	Meat from pig (not specified) - Cutting plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	2	0	Salmonella	0
	Meat from pig (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	8	0	Salmonella	0
	Meat from pig (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Salmonella	0
	Meat from poultry, unspecified - carcass - chilled - Slaughterhouse - Spain - - Surveillance - Official sampling - Not specified	slaughter batch		NOT AVAILABLE	62	2	Salmonella - S. Goldcoast	2
							Salmonella - S. Memphis	2
	Meat from poultry, unspecified - carcass - chilled - Slaughterhouse - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	9	0	Salmonella	0
	Meat from poultry, unspecified - fresh - with skin - Cutting plant - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	36	2	Salmonella - S. Kentucky	2
							Salmonella - S. Llandoff	2
	Meat from poultry, unspecified - fresh - with skin - Retail - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	14	0	Salmonella	0
	Meat from poultry, unspecified - fresh (not specified) - Slaughterhouse - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Salmonella	0
	Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	20	1	Salmonella	1
	Meat from poultry, unspecified - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	18	0	Salmonella	0
	Meat from poultry, unspecified - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	batch	25	Gram	3	0	Salmonella - Not typeable	0
	Meat from poultry, unspecified - meat preparation - intended to be eaten cooked (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	9	0	Salmonella	0
	Meat from poultry, unspecified - meat products - cooked, ready-to-eat (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Meat from poultry, unspecified - meat products - cooked, ready-to-eat (not specified) - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Meat from poultry, unspecified - meat products - raw and intended to be eaten raw (not specified) - Retail - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	4	0	Salmonella	0
	Meat from poultry, unspecified - minced meat - intended to be eaten cooked (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Salmonella	0
	Meat from poultry, unspecified - minced meat - intended to be eaten cooked (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	1	Salmonella - S. Typhimurium, monophasic	1
	Meat from rabbit - carcass - chilled - Slaughterhouse - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	23	5	Salmonella	2
							Salmonella - S. Hadar	1
							Salmonella - S. Typhimurium	2
	Meat from rabbit - carcass (not specified) - Slaughterhouse - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	7	0	Salmonella	0
	Meat from rabbit - fresh (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	25	Gram	60	1	Salmonella	1
	Meat from sheep - carcass - chilled - Slaughterhouse - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Salmonella	0
	Meat from sheep - carcass - chilled - Slaughterhouse - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	19	1	Salmonella - S. Choleraesuis	1
	Meat from sheep - carcass (not specified) - Cutting plant - Spain - - Surveillance - Official sampling - Objective sampling	single	400	Square centimetre	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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Meat from sheep - carcase (not specified) - Slaughterhouse - Spain - - Monitoring - active - Official sampling - Objective sampling	single	400	Square centimetre	3	0	Salmonella	0
	Meat from sheep - carcase (not specified) - Slaughterhouse - Spain - - Surveillance - Official sampling - Objective sampling	single	400	Square centimetre	30	1	Salmonella	1
	Meat from sheep - meat preparation - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Meat from sheep (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	1	0	Salmonella	0
	Meat from spent hens (Gallus gallus) - fresh (not specified) - Slaughterhouse - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	25	Gram	2	1	Salmonella - Other serovars	1
	Meat from turkey - carcase - chilled - Slaughterhouse - Spain - - Surveillance - Official sampling - Not specified	slaughter batch		NOT AVAILABLE	7	0	Salmonella	0
	Meat from turkey - fresh - skinned - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	4	0	Salmonella	0
	Meat from turkey - fresh - with skin - Cutting plant - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	3	0	Salmonella	0
	Meat from turkey - fresh - with skin - Retail - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	1	0	Salmonella	0
	Meat from turkey - meat preparation - intended to be eaten cooked - chilled - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	4	0	Salmonella	0
	Meat from turkey - meat products - cooked, ready-to-eat - chilled - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	2	0	Salmonella	0
	Meat from turkey - meat products - cooked, ready-to-eat - chilled - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Meat from turkey - meat products - cooked, ready-to-eat - chilled - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	6	0	Salmonella	0
	Meat from turkey - meat products - cooked, ready-to-eat - chilled - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	8	0	Salmonella	0
	Meat from turkey - meat products - cooked, ready-to-eat (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	6	0	Salmonella	0
	Meat from wild game - land mammals - meat products - fermented sausages - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	13	1	Salmonella - S. Typhimurium	1
	Meat, mixed meat - meat preparation - intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	4	0	Salmonella	0
	Meat, mixed meat - meat preparation - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	43	2	Salmonella	2
	Meat, mixed meat - meat preparation (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	11	1	Salmonella	1
	Meat, mixed meat - meat preparation (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	11	1	Salmonella	1
	Meat, mixed meat - meat products - pâté - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	25	0	Salmonella	0
	Meat, mixed meat - meat products - raw and intended to be eaten raw - chilled - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	4	0	Salmonella	0
	Meat, mixed meat - meat products - raw and intended to be eaten raw - chilled - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	12	1	Salmonella	1
	Meat, mixed meat - minced meat - intended to be eaten cooked (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	4	0	Salmonella	0
	Meat, red meat (meat from bovines, pigs, goats, sheep, horses, donkeys, bison and water buffalos) - meat products (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	120	11	Salmonella	11
	Meat, red meat (meat from bovines, pigs, goats, sheep, horses, donkeys, bison and water buffalos) - meat products (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	35	1	Salmonella	1
	Milk, cows' - pasteurised milk - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	3	0	Salmonella	0
	Milk, goats' - pasteurised milk (not specified) - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Milk, goats' - raw milk for manufacture - intended for manufacture of raw or low heat-treated products - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	8	0	Salmonella	0
	Milk, sheep's - pasteurised milk (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Molluscan shellfish - cooked - chilled - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Molluscan shellfish - cooked - chilled - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	5	0	Salmonella	0
	Molluscan shellfish - cooked - chilled - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	4	0	Salmonella	0
	Molluscan shellfish - cooked - chilled - Wholesale - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	7	0	Salmonella	0
	Molluscan shellfish - cooked - chilled - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Molluscan shellfish - cooked - frozen - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Molluscan shellfish - cooked - frozen - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Molluscan shellfish - cooked - frozen - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Molluscan shellfish - cooked - frozen - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	5	3	Salmonella - S. Senftenberg	3
	Molluscan shellfish - cooked - frozen - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	4	0	Salmonella	0
	Molluscan shellfish - cooked (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	100	Gram	15	0	Salmonella	0
	Molluscan shellfish - raw (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	13	1	Salmonella - S. Senftenberg	1
	Molluscan shellfish (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Salmonella	0
	Other processed food products and prepared dishes - egg based dishes - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Other processed food products and prepared dishes - egg based dishes - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	4	0	Salmonella	0
	Other processed food products and prepared dishes - egg based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	33	0	Salmonella	0
	Other processed food products and prepared dishes - egg based dishes - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	63	0	Salmonella	0
	Other processed food products and prepared dishes - egg based dishes - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	100	Gram	6	0	Salmonella	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	3	0	Salmonella	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	100	0	Salmonella	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	8	0	Salmonella	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Unspecified - Spain - - Clinical investigations - Official sampling - Not specified	batch	25	Gram	1	0	Salmonella	0
	Other processed food products and prepared dishes - ices and similar frozen desserts - water-based ice creams - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	2	0	Salmonella	0
	Other processed food products and prepared dishes - ices and similar frozen desserts - water-based ice creams - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Other processed food products and prepared dishes - ices and similar frozen desserts (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	10	0	Salmonella	0
	Other processed food products and prepared dishes - ices and similar frozen desserts (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	13	0	Salmonella	0
	Other processed food products and prepared dishes - ices and similar frozen desserts (not specified) - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	3	0	Salmonella	0
	Other processed food products and prepared dishes - ices and similar frozen desserts (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	19	0	Salmonella	0
	Other processed food products and prepared dishes - ices and similar frozen desserts (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	5	0	Salmonella	0
	Other processed food products and prepared dishes - legumes based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	26	0	Salmonella	0
	Other processed food products and prepared dishes - legumes based dishes - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	12	0	Salmonella	0
	Other processed food products and prepared dishes - meat based dishes - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	5	0	Salmonella	0
	Other processed food products and prepared dishes - meat based dishes - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	15	1	Salmonella	1
	Other processed food products and prepared dishes - meat based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	166	0	Salmonella	0
	Other processed food products and prepared dishes - meat based dishes - Retail - Spain - food sample - meat - Monitoring - Official sampling - Objective sampling	single	100	Gram	71	1	Salmonella	1
	Other processed food products and prepared dishes - meat based dishes - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	34	0	Salmonella	0
	Other processed food products and prepared dishes - meat based dishes - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	100	Gram	16	0	Salmonella	0
	Other processed food products and prepared dishes - meat based dishes - Unspecified - Spain - - Clinical investigations - Official sampling - Not specified	batch	25	Gram	1	0	Salmonella	0
	Other processed food products and prepared dishes - pasta - filled pasta - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	4	0	Salmonella	0
	Other processed food products and prepared dishes - pasta based dishes - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Salmonella	0
	Other processed food products and prepared dishes - pasta based dishes - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	12	0	Salmonella	0
	Other processed food products and prepared dishes - pasta based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	13	0	Salmonella	0
	Other processed food products and prepared dishes - pasta based dishes - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	15	0	Salmonella	0
	Other processed food products and prepared dishes - pasta/rice salad - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	26	0	Salmonella	0
	Other processed food products and prepared dishes - pizza and pizza-like dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Salmonella	0
	Other processed food products and prepared dishes - potato based dishes - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	2	0	Salmonella	0
	Other processed food products and prepared dishes - potato based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	8	0	Salmonella	0
	Other processed food products and prepared dishes - rice based dishes - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Salmonella	0
	Other processed food products and prepared dishes - rice based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	36	0	Salmonella	0
	Other processed food products and prepared dishes - rice based dishes - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	100	Gram	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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Other processed food products and prepared dishes - sandwiches - non-meat - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	11	0	Salmonella	0
	Other processed food products and prepared dishes - sandwiches - with meat - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	7	0	Salmonella	0
	Other processed food products and prepared dishes - sandwiches (not specified) - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	10	0	Salmonella	0
	Other processed food products and prepared dishes - sushi - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	6	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - chilled - Catering (not specified) - Spain - - Clinical investigations - Official sampling - Suspect sampling	single	25	Gram	18	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - chilled - Retail - Spain - - Clinical investigations - Official sampling - Suspect sampling	single	25	Gram	1	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods (not specified) - Catering (not specified) - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	294	0	Salmonella	0
		single	25	Gram	296	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	22	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods (not specified) - Retail - Spain - - Clinical investigations - Official sampling - Suspect sampling	single	25	Gram	8	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	555	1	Salmonella	1
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	54	2	Salmonella	2
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	679	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	1	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified (not specified) - Catering (not specified) - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	53	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	8	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified (not specified) - Processing plant - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	20	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	93	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	5	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified (not specified) - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	117	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	13	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	100	Gram	13	0	Salmonella	0
	Other processed food products and prepared dishes - vegetable based dishes - Catering (not specified) - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	87	0	Salmonella	0
		single	25	Gram	217	0	Salmonella	0
	Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	4	0	Salmonella	0
	Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Salmonella	0
	Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	2	1	Salmonella - S. 4,5,12:-:1,2	1
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	46	0	Salmonella	0
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	26	0	Salmonella	0
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	76	0	Salmonella	0
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	23	0	Salmonella	0
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	100	Gram	9	0	Salmonella	0
	Other processed food products and prepared dishes - vegetable based dishes - Unspecified - Spain - - Clinical investigations - Official sampling - Not specified	batch	25	Gram	1	0	Salmonella	0
	Other processed food products and prepared dishes (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	55	0	Salmonella	0
	Other processed food products and prepared dishes (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	27	0	Salmonella	0
	Other processed food products and prepared dishes (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	130	0	Salmonella	0
	Other processed food products and prepared dishes (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	100	Gram	10	0	Salmonella	0
	Other processed food products and prepared dishes (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	2	0	Salmonella	0
	Other processed food products and prepared dishes (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	100	Gram	24	0	Salmonella	0
	Other processed food products and prepared dishes (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	145	0	Salmonella	0
	Other processed food products and prepared dishes (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	100	Gram	41	1	Salmonella - Salmonella spp., unspecified	1
	Other processed food products and prepared dishes (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	100	Gram	26	0	Salmonella	0
	Other processed food products and prepared dishes (not specified) - Unspecified - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	10	0	Salmonella	0
	Other products of animal origin - gelatin and collagen - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	1	0	Salmonella	0
	Other products of animal origin - gelatin and collagen - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	100	Gram	7	0	Salmonella	0
	Other products of animal origin - gelatin and collagen - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	100	Gram	25	0	Salmonella	0
	Other products of animal origin - gelatin and collagen - Wholesale - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	100	Gram	3	0	Salmonella	0
	Ready-to-eat salads - containing mayonnaise - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	8	0	Salmonella	0
	Ready-to-eat salads - containing mayonnaise - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	64	0	Salmonella	0
	Ready-to-eat salads - containing mayonnaise - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	3	0	Salmonella	0
	Ready-to-eat salads (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	5	0	Salmonella	0
	Ready-to-eat salads (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	2	0	Salmonella	0
	Ready-to-eat salads (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	273	2	Salmonella	0
							Salmonella - S. Agona	1
							Salmonella - S. Typhimurium	1

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Ready-to-eat salads (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	2	0	Salmonella	0
	Sauce and dressings - mayonnaise - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	1	0	Salmonella	0
	Sauce and dressings (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	1	0	Salmonella	0
	Sauce and dressings (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	69	0	Salmonella	0
	Sauce and dressings (not specified) - Unspecified - Spain - - Clinical investigations - Official sampling - Not specified	batch	25	Gram	1	0	Salmonella	0
	Seeds, sprouted - ready-to-eat - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	5	0	Salmonella	0
	Seeds, sprouted - ready-to-eat - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	10	0	Salmonella	0
	Seeds, sprouted - ready-to-eat - Unspecified - Spain - - Surveillance - Official sampling - Not specified	batch	25	Gram	16	0	Salmonella	0
	Seeds, sprouted - ready-to-eat - Wholesale - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	100	Gram	8	0	Salmonella	0
	Seeds, sprouted - ready-to-eat - Wholesale - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	5	0	Salmonella	0
	Soups (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	150	Gram	5	0	Salmonella	0
	Spices and herbs - dried (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	25	Gram	25	0	Salmonella	0
	Spices and herbs - dried (not specified) - Processing plant - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	25	0	Salmonella	0
	Surimi - chilled - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	3	0	Salmonella	0
	Vegetables - pre-cut - ready-to-eat - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	3	0	Salmonella	0
	Vegetables - pre-cut - ready-to-eat - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	14	0	Salmonella	0
	Vegetables - pre-cut - ready-to-eat - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	9	0	Salmonella	0
	Vegetables - pre-cut - ready-to-eat - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	5	0	Salmonella	0
	Vegetables - pre-cut - ready-to-eat - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	31	0	Salmonella	0
	Vegetables - pre-cut - ready-to-eat - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	2	0	Salmonella	0
			1250	Gram	6	0	Salmonella	0
	Vegetables - products - cooked (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	1	0	Salmonella	0
	Vegetables - products - dried - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	3	0	Salmonella	0
	Vegetables - products - fruit purée - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	16	0	Salmonella	0
	Vegetables - products - fruit purée - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	25	Gram	3	0	Salmonella	0
	Vegetables - products (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	100	Gram	1	0	Salmonella	0
	Water - bottled water - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	single	100	Gram	1	0	Salmonella	0

Table 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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Compound feedingstuffs for cattle - final product (not specified) - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	60	1	Salmonella - Salmonella spp., unspecified	1
	Compound feedingstuffs for pigs - final product (not specified) - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	80	0	Salmonella - Salmonella spp., unspecified	0
	Compound feedingstuffs for poultry (non specified) - final product (not specified) - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	20	0	Salmonella - Salmonella spp., unspecified	0
	Compound feedingstuffs for poultry, broilers - final product (not specified) - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	54	0	Salmonella - Salmonella spp., unspecified	0
	Compound feedingstuffs for poultry, laying hens - final product (not specified) - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	54	1	Salmonella - Salmonella spp., unspecified	1
	Feed material of cereal grain origin - barley derived - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	16	0	Salmonella - Salmonella spp., unspecified	0
	Feed material of cereal grain origin - maize derived - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	17	0	Salmonella - Salmonella spp., unspecified	0
	Feed material of cereal grain origin - other cereal grain derived (not specified) - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Salmonella - Salmonella spp., unspecified	0
	Feed material of cereal grain origin - wheat derived - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	13	0	Salmonella - Salmonella spp., unspecified	0
	Feed material of land animal origin - animal fat - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	30	0	Salmonella - Salmonella spp., unspecified	0
	Feed material of land animal origin - blood meal - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	23	1	Salmonella - Salmonella spp., unspecified	1
	Feed material of land animal origin - dairy products (not specified) - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	6	0	Salmonella - Salmonella spp., unspecified	0
	Feed material of land animal origin - feather meal - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	6	0	Salmonella - Salmonella spp., unspecified	0
	Feed material of land animal origin - meat and bone meal - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	30	2	Salmonella - Salmonella spp., unspecified	2
	Feed material of land animal origin - meat meal (not specified) - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	84	7	Salmonella - Salmonella spp., unspecified	7
	Feed material of land animal origin - poultry offal meal - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	8	1	Salmonella - Salmonella spp., unspecified	1
	Feed material of marine animal origin - fish meal - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	104	4	Salmonella - Salmonella spp., unspecified	4
	Feed material of oil seed or fruit origin - cotton seed derived - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	4	0	Salmonella - Salmonella spp., unspecified	0
	Feed material of oil seed or fruit origin - rape seed derived - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Salmonella - Salmonella spp., unspecified	0
	Feed material of oil seed or fruit origin - soya (bean) derived - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	33	1	Salmonella - Salmonella spp., unspecified	1
	Feed material of oil seed or fruit origin - sunflower seed derived - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	4	0	Salmonella - Salmonella spp., unspecified	0
	Other feed material - forages and roughages - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	14	1	Salmonella - Salmonella spp., unspecified	1
	Other feed material - legume seeds and similar products - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella - Salmonella spp., unspecified	0
	Other feed material - tubers, roots and similar products - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	11	0	Salmonella - Salmonella spp., unspecified	0

<b>Area of Sampling</b>	<b>Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy</b>	<b>Sampling unit</b>	<b>Sample weight</b>	<b>Sample weight unit</b>	<b>Total units tested</b>	<b>Total units positive</b>	<b>Zoonoses</b>	<b>N of units positive</b>
España	Pet food (not specified) - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch	26	Gram	5	0	Salmonella - Salmonella spp., unspecified	0

Table 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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Bakery products - desserts (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	12	6	Staphylococcal enterotoxins	6
	Bakery products - desserts (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	8	3	Staphylococcal enterotoxins	3
	Bakery products - pastry - biscuits - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	6	0	Staphylococcal enterotoxins	0
	Bakery products - pastry - biscuits - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	5	0	Staphylococcal enterotoxins	0
	Bakery products - pastry - choux pastry - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	4	0	Staphylococcal enterotoxins	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Staphylococcal enterotoxins	0
	Cheeses made from cows' milk - fresh (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	3	0	Staphylococcal enterotoxins	0
	Cheeses made from cows' milk - hard (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	13	0	Staphylococcal enterotoxins	0
	Cheeses made from cows' milk - hard (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	Staphylococcal enterotoxins	0
	Cheeses made from cows' milk - hard (not specified) - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	2	0	Staphylococcal enterotoxins	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Staphylococcal enterotoxins	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	15	0	Staphylococcal enterotoxins	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Staphylococcal enterotoxins	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	6	0	Staphylococcal enterotoxins	0
	Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	13	3	Staphylococcal enterotoxins	3
	Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	7	0	Staphylococcal enterotoxins	0
	Cheeses made from goats' milk - hard (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Staphylococcal enterotoxins	0
	Cheeses made from goats' milk - hard (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Staphylococcal enterotoxins	0
	Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Staphylococcal enterotoxins	0
	Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcal enterotoxins	0
	Cheeses made from goats' milk (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	Staphylococcal enterotoxins	0
	Cheeses made from sheep's milk - fresh (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Staphylococcal enterotoxins	0
	Cheeses made from sheep's milk - hard - made from pasteurised milk - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Staphylococcal enterotoxins	0
	Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Staphylococcal enterotoxins	0
	Cheeses made from sheep's milk - hard (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	4	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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Cheeses made from sheep's milk - hard (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	6	0	Staphylococcal enterotoxins	0
	Cheeses made from sheep's milk - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Staphylococcal enterotoxins	0
	Cheeses made from sheep's milk - soft and semi-soft - made from pasteurised milk - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Staphylococcal enterotoxins	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	6	0	Staphylococcal enterotoxins	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Staphylococcal enterotoxins	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - hard (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	2	0	Staphylococcal enterotoxins	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from pasteurised milk - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Staphylococcal enterotoxins	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	Staphylococcal enterotoxins	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	5	0	Staphylococcal enterotoxins	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from pasteurised milk - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Staphylococcal enterotoxins	0
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Staphylococcal enterotoxins	0
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - made from pasteurised milk - Wholesale - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	Staphylococcal enterotoxins	0
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - made from pasteurised milk - Wholesale - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Staphylococcal enterotoxins	0
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	Staphylococcal enterotoxins	0
	Cheeses, made from unspecified milk or other animal milk - unspecified (not specified) - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	2	0	Staphylococcal enterotoxins	0
	Cheeses, made from unspecified milk or other animal milk (not specified) - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	2	0	Staphylococcal enterotoxins	0
	Cheeses, made from unspecified milk or other animal milk (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	100	Gram	10	0	Staphylococcal enterotoxins - Enterotoxin, unspecified	0
	Chocolate - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	Staphylococcal enterotoxins	0
	Cocoa and cocoa preparations, coffee and tea - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	2	0	Staphylococcal enterotoxins	0
	Confectionery products and pastes (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	7	0	Staphylococcal enterotoxins	0
	Confectionery products and pastes (not specified) - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	1	0	Staphylococcal enterotoxins	0
	Crustaceans - unspecified - cooked (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	100	Gram	3	0	Staphylococcal enterotoxins	0
	Dairy products (excluding cheeses) - cheese analogue - Processing plant - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	Staphylococcal enterotoxins	0
	Dairy products, unspecified - Retail - Spain - - Survey - national survey - Official sampling - Objective sampling	single	200	Gram	1	0	Staphylococcal enterotoxins	0
	Fruits and vegetables - pre-cut (not specified) - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	1	0	Staphylococcal enterotoxins	0
	Infant formula - dried - intended for infants below 6 months - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	1	0	Staphylococcal enterotoxins	0
	Live bivalve molluscs - oysters (not specified) - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	1	1	Staphylococcal enterotoxins	1
	Other processed food products and prepared dishes - fish and seafood based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - unspecified (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Other processed food products and prepared dishes - unspecified (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	10	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - unspecified (not specified) - Processing plant - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	2	1	Staphylococcal enterotoxins	1
	Other processed food products and prepared dishes - unspecified (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	92	5	Staphylococcal enterotoxins	5
	Other processed food products and prepared dishes - unspecified (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	5	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - unspecified (not specified) - Retail - Spain - - Survey - Official sampling - Suspect sampling	single	25	Gram	96	2	Staphylococcal enterotoxins	2
	Other processed food products and prepared dishes - unspecified (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	100	Gram	13	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	100	Gram	6	0	Staphylococcal enterotoxins - Enterotoxin, unspecified	0

Table STAPHYLOCOCCUS AUREUS METICILLIN RESISTANT (MRSA) in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Pigs - fattening pigs (not specified) - Slaughterhouse - Spain - animal sample - caecum - Monitoring - EFSA specifications - Official sampling - Objective sampling	slaughter batch	383	350	Staphylococcus - S. aureus, meticillin resistant (MRSA)	350

Table STAPHYLOCOCCUS AUREUS METICILLIN RESISTANT (MRSA) in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Bakery products - cakes (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	1	Gram	105	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Bakery products - cakes (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	1	Gram	58	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Bakery products - desserts (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	1	Gram	76	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Bakery products - desserts (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	26	0	Staphylococcus - S. aureus	0
	Bakery products (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	31	0	Staphylococcus - S. aureus	0
	Bakery products (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Staphylococcus - S. aureus	0
	Beverages, non-alcoholic (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	75	Gram	7	0	Staphylococcus - S. aureus	0
	Cheeses made from cows' milk - fresh - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Staphylococcus - S. aureus	0
	Cheeses made from cows' milk - fresh (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	3	1	Staphylococcus	1
	Cheeses made from cows' milk - hard (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	2	0	Staphylococcus	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	14	0	Staphylococcus - S. aureus	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcus - S. aureus	0
	Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	151	18	Staphylococcus - S. aureus	18
	Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	48	2	Staphylococcus - S. aureus	2
	Cheeses made from goats' milk - fresh (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	1	Gram	8	3	Staphylococcus - Staphylococcus spp., unspecified	3
	Cheeses made from goats' milk - fresh (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	3	1	Staphylococcus	1
	Cheeses made from goats' milk - hard - made from pasteurised milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Staphylococcus - S. aureus	0
	Cheeses made from goats' milk - hard - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	10	0	Staphylococcus - S. aureus	0
	Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	6	2	Staphylococcus - S. aureus	2
	Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	9	0	Staphylococcus - S. aureus	0
	Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Staphylococcus - S. aureus	0
	Cheeses made from goats' milk (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	200	Gram	1	0	Staphylococcus - S. aureus	0
	Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Unspecified - Spain - - Monitoring - Official sampling - Objective sampling	single	1	Gram	13	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Cheeses made from sheep's milk - hard (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	16	0	Staphylococcus	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Cheeses made from sheep's milk - hard (not specified) - Unspecified - Spain - - Monitoring - Official sampling - Objective sampling	single	1	Gram	16	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Cheeses made from sheep's milk - soft and semi-soft (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	1	Gram	6	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Cheeses made from sheep's milk - unspecified - made from raw or low heat-treated milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	6	0	Staphylococcus	0
	Cheeses made from sheep's milk (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	200	Gram	2	0	Staphylococcus - S. aureus	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	11	0	Staphylococcus - S. aureus	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	4	0	Staphylococcus - S. aureus	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Staphylococcus - S. aureus	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcus - S. aureus	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - hard - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	4	0	Staphylococcus - S. aureus	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	14	0	Staphylococcus - S. aureus	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	15	0	Staphylococcus - S. aureus	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcus - S. aureus	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	3	0	Staphylococcus	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - unspecified - made from pasteurised milk - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	1	Colony forming unit/gram	350	4	Staphylococcus - Staphylococcus spp., unspecified	4
	Cheeses, made from mixed milk from cows, sheep and/or goats - unspecified - made from raw or low heat-treated milk - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	single	1	Colony forming unit/gram	190	124	Staphylococcus - Staphylococcus spp., unspecified	124
	Cheeses, made from mixed milk from cows, sheep and/or goats - unspecified - made from raw or low heat-treated milk - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	100	Gram	50	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Cheeses, made from mixed milk from cows, sheep and/or goats (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	200	Gram	2	0	Staphylococcus - S. aureus	0
	Cheeses, made from unspecified milk or other animal milk - hard - made from pasteurised milk - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	1	Gram	6	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Cheeses, made from unspecified milk or other animal milk - hard - made from raw or low heat-treated milk - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	1	Gram	4	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Cheeses, made from unspecified milk or other animal milk - hard (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	1	Gram	16	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	1	Gram	8	1	Staphylococcus - Staphylococcus spp., unspecified	1
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	1	Gram	16	2	Staphylococcus - Staphylococcus spp., unspecified	2

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Cheeses, made from unspecified milk or other animal milk (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	1	Gram	6	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Crustaceans - prawns - shelled, shucked and cooked (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Staphylococcus - S. aureus	0
	Crustaceans - prawns - shelled, shucked and cooked (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	batch	25	Gram	10	0	Staphylococcus - S. aureus	0
	Crustaceans - shrimps - cooked - frozen - Packing centre (not specified) - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Staphylococcus - S. aureus	0
	Crustaceans - unspecified - cooked (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	100	Gram	25	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Dairy products (excluding cheeses) - dairy desserts (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcus - S. aureus	0
	Dairy products (excluding cheeses) - dairy products, not specified - ready-to-eat - made from pasteurised milk - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	4	0	Staphylococcus - S. aureus	0
	Dairy products (excluding cheeses) - milk powder and whey powder - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	10	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Dairy products (excluding cheeses) - milk powder and whey powder - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	1	Gram	1	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Fish - cooked (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	1250	Gram	1	0	Staphylococcus	0
	Fish - raw - chilled - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Staphylococcus - S. aureus	0
	Fish - smoked (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Staphylococcus - S. aureus	0
	Fish - smoked (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcus - S. aureus	0
	Fishery products, unspecified - non-ready-to-eat - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Staphylococcus - S. aureus	0
	Fishery products, unspecified - non-ready-to-eat - frozen - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Staphylococcus - S. aureus	0
	Fruits - products - fruit purée - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	6	0	Staphylococcus - S. aureus	0
	Fruits (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Staphylococcus - S. aureus	0
	Fruits and vegetables (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	75	Gram	2	0	Staphylococcus - S. aureus	0
	Meat from bovine animals - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Staphylococcus - S. aureus	0
	Meat from bovine animals - meat products - raw but intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Staphylococcus - S. aureus	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	8	0	Staphylococcus - S. aureus	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	15	0	Staphylococcus - S. aureus	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - frozen - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcus - S. aureus	0
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Staphylococcus - S. aureus	0
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcus - S. aureus	0
	Meat from bovine animals and pig - minced meat - intended to be eaten cooked - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Staphylococcus - S. aureus	0
	Meat from broilers (Gallus gallus) - fresh - chilled - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	5	0	Staphylococcus - S. aureus	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Meat from broilers (Gallus gallus) - fresh (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	75	Gram	1	0	Staphylococcus - S. aureus	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcus - S. aureus	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcus - S. aureus	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcus - S. aureus	0
	Meat from broilers (Gallus gallus) - offal - liver - chilled - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcus - S. aureus	0
	Meat from duck - offal - liver - chilled - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	1	Gram	1	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Meat from other animal species or not specified - meat preparation - intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcus - S. aureus	0
	Meat from other animal species or not specified - meat products (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcus - S. aureus	0
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	6	0	Staphylococcus - S. aureus	0
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	8	0	Staphylococcus - S. aureus	0
	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	1	Gram	6	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	1	Gram	6	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Meat from pig - meat products - fermented sausages - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Staphylococcus - S. aureus	0
	Meat from pig - meat products - fermented sausages - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Staphylococcus - S. aureus	0
	Meat from pig - meat products - raw and intended to be eaten raw - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcus - S. aureus	0
	Meat from pig - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	4	0	Staphylococcus - S. aureus	0
	Meat from pig - meat products - raw but intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	2	0	Staphylococcus - S. aureus	0
	Meat from pig - meat products - raw but intended to be eaten cooked - chilled - Wholesale - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcus - S. aureus	0
	Meat from pig - meat products - raw but intended to be eaten cooked (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	1	Gram	18	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Meat from pig - meat products - raw but intended to be eaten cooked (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	1	Gram	2	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Meat from pig - meat products (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	120	Gram	6	0	Staphylococcus - S. aureus	0
	Meat from pig - meat products (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	75	Gram	2	0	Staphylococcus - S. aureus	0
	Meat from pig - minced meat - intended to be eaten cooked - chilled - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcus - S. aureus	0
	Meat from pig - minced meat - intended to be eaten cooked - chilled - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcus - S. aureus	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Meat from rabbit - fresh (not specified) - Retail - Spain - food sample - meat - Surveillance - Official sampling - Objective sampling	single	1	Gram	60	5	Staphylococcus - S. aureus, meticillin resistant (MRSA)	5
	Meat from turkey - meat products - cooked, ready-to-eat (not specified) - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	1	Gram	6	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Meat from wild game - land mammals - meat products - fermented sausages - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	1	Gram	2	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Milk from other animal species or unspecified (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcus - S. aureus	0
	Milk, goats' - raw milk for manufacture - intended for manufacture of raw or low heat-treated products - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcus - S. aureus	0
	Molluscan shellfish - cooked (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	100	Gram	15	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Other processed food products and prepared dishes - egg based dishes - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcus - S. aureus	0
	Other processed food products and prepared dishes - egg based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	28	0	Staphylococcus - S. aureus	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcus - S. aureus	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	94	0	Staphylococcus - S. aureus	0
	Other processed food products and prepared dishes - ices and similar frozen desserts (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	11	0	Staphylococcus - S. aureus	0
	Other processed food products and prepared dishes - ices and similar frozen desserts (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	13	0	Staphylococcus - S. aureus	0
	Other processed food products and prepared dishes - legumes based dishes - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcus - S. aureus	0
	Other processed food products and prepared dishes - legumes based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	23	0	Staphylococcus - S. aureus	0
	Other processed food products and prepared dishes - meat based dishes - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	5	0	Staphylococcus - S. aureus	0
	Other processed food products and prepared dishes - meat based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	148	0	Staphylococcus - S. aureus	0
	Other processed food products and prepared dishes - pasta - filled pasta - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	4	0	Staphylococcus - S. aureus	0
	Other processed food products and prepared dishes - pasta based dishes - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcus - S. aureus	0
	Other processed food products and prepared dishes - pasta based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	12	0	Staphylococcus - S. aureus	0
	Other processed food products and prepared dishes - pasta/rice salad - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	26	0	Staphylococcus - S. aureus	0
	Other processed food products and prepared dishes - pizza and pizza-like dishes - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	50	Gram	3	0	Staphylococcus - S. aureus	0
	Other processed food products and prepared dishes - pizza and pizza-like dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcus - S. aureus	0
	Other processed food products and prepared dishes - potato based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	7	0	Staphylococcus - S. aureus	0
	Other processed food products and prepared dishes - rice based dishes - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Staphylococcus - S. aureus	0
	Other processed food products and prepared dishes - rice based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	34	0	Staphylococcus - S. aureus	0



Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Other processed food products and prepared dishes - sandwiches - non-meat - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	11	0	Staphylococcus - S. aureus	0
	Other processed food products and prepared dishes - sandwiches - with meat - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	7	0	Staphylococcus - S. aureus	0
	Other processed food products and prepared dishes - sushi - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	6	0	Staphylococcus - S. aureus	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - chilled - Catering (not specified) - Spain - - Clinical investigations - Official sampling - Suspect sampling	single	1	Gram	14	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods (not specified) - Retail - Spain - - Clinical investigations - Official sampling - Suspect sampling	single	1	Gram	8	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods (not specified) - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	1	Gram	532	3	Staphylococcus - Staphylococcus spp., unspecified	3
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods (not specified) - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	1	Colony forming unit/gram	63	6	Staphylococcus - Staphylococcus spp., unspecified	6
	Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	3	0	Staphylococcus - S. aureus	0
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	1	Gram	43	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Spain - - Surveillance - Official sampling - Objective sampling	single	1	Colony forming unit/gram	1	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	73	0	Staphylococcus - S. aureus	0
	Other processed food products and prepared dishes (not specified) - Processing plant - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	55	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Other processed food products and prepared dishes (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	26	0	Staphylococcus - S. aureus	0
	Other processed food products and prepared dishes (not specified) - Retail - Spain - food sample (not specified) - Monitoring - active - Official sampling - Objective sampling	batch	75	Gram	1	0	Staphylococcus - S. aureus	0
		single	75	Gram	31	0	Staphylococcus - S. aureus	0
	Other processed food products and prepared dishes (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	150	Gram	145	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Other processed food products and prepared dishes (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	single	75	Gram	75	0	Staphylococcus - S. aureus	0
	Ready-to-eat salads - containing mayonnaise - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	62	0	Staphylococcus - S. aureus	0
	Ready-to-eat salads (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	5	0	Staphylococcus - S. aureus	0
	Ready-to-eat salads (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	262	0	Staphylococcus - S. aureus	0
	Sauce and dressings (not specified) - Processing plant - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	1	0	Staphylococcus - S. aureus	0
	Sauce and dressings (not specified) - Retail - Spain - - Surveillance - Official sampling - Selective sampling	single	25	Gram	68	0	Staphylococcus - S. aureus	0
	Vegetables - products - fruit purée - Processing plant - Spain - - Monitoring - Official sampling - Objective sampling	single	1	Gram	8	0	Staphylococcus - Staphylococcus spp., unspecified	0
	Vegetables - products - fruit purée - Retail - Spain - - Monitoring - Official sampling - Objective sampling	single	1	Gram	8	0	Staphylococcus - Staphylococcus spp., unspecified	0

Table TOXOPLASMA in animal

<b>Area of Sampling</b>	<b>Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy</b>	<b>Sampling unit</b>	<b>Total units tested</b>	<b>Total units positive</b>	<b>Zoonoses</b>	<b>N of units positive</b>
España	Sheep (not specified) - Farm (not specified) - Spain - animal sample - blood - Monitoring - passive - Official sampling - Suspect sampling	animal	31	18	Toxoplasma - T. gondii	18

Table TRICHINELLA in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Pigs - breeding animals - not raised under controlled housing conditions (not specified) - Slaughterhouse - Spain - - Control and eradication programmes - Official sampling - Objective sampling	animal	861	0	Trichinella	0
	Pigs - breeding animals - not raised under controlled housing conditions (not specified) - Slaughterhouse - Spain - - Surveillance - Official sampling - Not specified	animal	3379378	0	Trichinella	0
	Pigs - breeding animals - not raised under controlled housing conditions (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Monitoring - Official sampling - Objective sampling	animal	505	0	Trichinella - Trichinella spp., unspecified	0
	Pigs - breeding animals - not raised under controlled housing conditions (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Surveillance - Official sampling - Census	animal	2965	0	Trichinella	0
	Pigs - breeding animals - raised under controlled housing conditions (not specified) - Slaughterhouse - European Union - animal sample (not specified) - Monitoring - active - Official sampling - Objective sampling	slaughter batch	19116	0	Trichinella - Trichinella spp., unspecified	0
	Pigs - breeding animals - raised under controlled housing conditions (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Monitoring - active - Official sampling - Objective sampling	slaughter batch	864738	0	Trichinella - Trichinella spp., unspecified	0
	Pigs - fattening pigs - not raised under controlled housing conditions (not specified) - Slaughterhouse - Spain - - Clinical investigations - Official sampling - Objective sampling	animal	543717	0	Trichinella - Trichinella spp., unspecified	0
	Pigs - fattening pigs - not raised under controlled housing conditions (not specified) - Slaughterhouse - Spain - - Control and eradication programmes - HACCP and own check - Objective sampling	animal	212	0	Trichinella	0
	Pigs - fattening pigs - not raised under controlled housing conditions (not specified) - Slaughterhouse - Spain - - Surveillance - Official sampling - Selective sampling	slaughter batch	278222	0	Trichinella	0
	Pigs - fattening pigs - not raised under controlled housing conditions (not specified) - Slaughterhouse - Spain - - Survey - HACCP and own check - Not specified	animal	1970	1	Trichinella	1
	Pigs - fattening pigs - not raised under controlled housing conditions (not specified) - Slaughterhouse - Spain - - Survey - national survey - Official sampling - Objective sampling	animal	333595	0	Trichinella	0
	Pigs - fattening pigs - not raised under controlled housing conditions (not specified) - Slaughterhouse - Spain - - Unspecified - Official sampling - Census	animal	4501040	0	Trichinella	0
	Pigs - fattening pigs - not raised under controlled housing conditions (not specified) - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	slaughter batch	1300934	0	Trichinella	0
	Pigs - fattening pigs - not raised under controlled housing conditions (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Surveillance - Official sampling - Census	animal	87277	0	Trichinella	0
	Pigs - fattening pigs - not raised under controlled housing conditions (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Surveillance - Official sampling - Objective sampling	animal	21917	0	Trichinella	0
	Pigs - fattening pigs - not raised under controlled housing conditions (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Survey - national survey - Official sampling - Objective sampling	animal	3418781	0	Trichinella - Trichinella spp., unspecified	0
	Pigs - fattening pigs - raised under controlled housing conditions (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Monitoring - Official sampling - Objective sampling	animal	107404	0	Trichinella - Trichinella spp., unspecified	0
	Solipeds, domestic - horses - Slaughterhouse - Spain - animal sample (not specified) - Surveillance - Official sampling - Objective sampling	animal	98	0	Trichinella	0
	Solipeds, domestic (not specified) - Slaughterhouse - Spain - - Control and eradication programmes - Official sampling - Objective sampling	animal	6493	0	Trichinella	0
	Solipeds, domestic (not specified) - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	slaughter batch	6882	0	Trichinella	0
	Solipeds, domestic (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Surveillance - Official sampling - Census	animal	3583	0	Trichinella	0
	Solipeds, domestic (not specified) - Slaughterhouse - Spain - animal sample (not specified) - Survey - national survey - Official sampling - Objective sampling	animal	54	0	Trichinella - Trichinella spp., unspecified	0
	Wild boars - wild - Game handling establishment - Spain - - Clinical investigations - Official sampling - Suspect sampling	animal	33188	70	Trichinella - Trichinella spp., unspecified	70
	Wild boars - wild - Hunting - Spain - - Clinical investigations - Official sampling - Suspect sampling	animal	17332	19	Trichinella - Trichinella spp., unspecified	19
	Wild boars - wild - Hunting - Spain - - Surveillance - Official sampling - Not specified	animal	44366	63	Trichinella	63
	Wild boars - wild - Hunting - Spain - - Unspecified - Not applicable - Not specified	animal	7277	3	Trichinella	3

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Wild boars - wild - Hunting - Spain - animal sample (not specified) - Monitoring - active - Official sampling - Objective sampling	slaughter batch	5191	16	Trichinella - T. britovi	14
					Trichinella - T. spiralis	2
	Wild boars - wild - Hunting - Spain - animal sample (not specified) - Surveillance - Official sampling - Census	animal	2211	1	Trichinella - T. britovi	1
	Wild boars - wild - Hunting - Spain - animal sample (not specified) - Surveillance - Official sampling - Objective sampling	animal	82	0	Trichinella	0
	Wild boars (not specified) - Game handling establishment - Spain - - Monitoring - Official sampling - Not specified	animal	38830	157	Trichinella	157
	Wild boars (not specified) - Game handling establishment - Spain - - Monitoring - Official sampling - Objective sampling	animal	1737	1	Trichinella	1
	Wild boars (not specified) - Hunting - Spain - - Control and eradication programmes - HACCP and own check - Objective sampling	animal	460	0	Trichinella	0
	Wild boars (not specified) - Hunting - Spain - - Monitoring - Official sampling - Objective sampling	animal	601	2	Trichinella	2
Wild boars (not specified) - Hunting - Spain - animal sample (not specified) - Survey - national survey - Official sampling - Objective sampling	animal	142	0	Trichinella - Trichinella spp., unspecified	0	

Table WEST NILE VIRUS in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Vaccination status	Total units tested	Total units positive	Zoonoses	N of units positive
España	Birds - wild - game birds, farmed - Farm (not specified) - Spain - animal sample - blood - Monitoring - active - Official sampling - Selective sampling	animal	NOT AVAILAB LE	36	0	West Nile virus	0
	Birds - wild - game birds, farmed - Farm (not specified) - Spain - animal sample - blood - Monitoring - active - Official sampling - Selective sampling	animal	NOT AVAILAB LE	409	36	West Nile virus	36
	Birds - wild (not specified) - Natural habitat - Spain - animal sample - blood - Monitoring - passive - Official sampling - Suspect sampling	animal	NOT AVAILAB LE	17	3	West Nile virus	3
	Birds - wild (not specified) - Natural habitat - Spain - animal sample - blood - Monitoring - passive - Official sampling - Suspect sampling	animal	NOT AVAILAB LE	63	9	West Nile virus	9
	Birds - wild (not specified) - Natural habitat - Spain - animal sample - blood - Monitoring - passive - Official sampling - Suspect sampling	animal	NOT AVAILAB LE	2278	53	West Nile virus	53
	Solipeds, domestic - horses - Farm (not specified) - Spain - animal sample - blood - Monitoring - active - Official sampling - Selective sampling	animal	Unknown	331	0	West Nile virus	0
	Solipeds, domestic - horses - Farm (not specified) - Spain - animal sample - blood - Monitoring - passive - Official sampling - Suspect sampling	animal	Unknown	110	19	West Nile virus	19

Table YERSINIA in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
España	Pigs - fattening pigs (not specified) - Slaughterhouse - Spain - animal sample - caecum - Monitoring - EFSA specifications - Official sampling - Objective sampling	slaughter batch	384	160	Yersinia - Y. enterocolitica	160

Table 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	Total units tested	Total units positive	Zoonoses	N of units positive
España	Meat from pig - carcase (not specified) - Slaughterhouse - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	1	0	Yersinia	0
	Meat from pig - fresh (not specified) - Retail - Spain - food sample (not specified) - Surveillance - Official sampling - Objective sampling	single	100	Gram	37	20	Yersinia - Y. enterocolitica - Y. enterocolitica, unspecified	10
							Yersinia - Y. frederiksenii	10
	Meat from pig - meat products - raw but intended to be eaten cooked (not specified) - Processing plant - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	2	0	Yersinia	0
	Meat from pig - meat products - raw but intended to be eaten cooked (not specified) - Retail - Spain - - Monitoring - active - Official sampling - Objective sampling	single	25	Gram	11	0	Yersinia	0

## FOODBORNE OUTBREAKS TABLES

Foodborne Outbreaks: summarized data

No data returned for this view. This might be because the applied filter excludes all data.



## Strong Foodborne Outbreaks: detailed data

No data returned for this view. This might be because the applied filter excludes all data.

## Weak Foodborne Outbreaks: detailed data

No data returned for this view. This might be because the applied filter excludes all data.

# ANTIMICROBIAL RESISTANCE TABLES FOR CAMPYLOBACTER

Table Antimicrobial susceptibility testing of Campylobacter - C. coli in Cattle (bovine animals) - calves (under 1 year) - for slaughter

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) (not specified)

Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Aminoglycosides - Streptomycin	Fluoroquinolones - Ciprofloxacin	Macrolides - Erythromycin	Quinolones - Nalidixic acid	Tetracyclines - Tetracycline
<b>ECOFF</b>	<b>2</b>	<b>4</b>	<b>0.5</b>	<b>8</b>	<b>16</b>	<b>2</b>
<b>Lowest limit</b>	<b>0.12</b>	<b>0.25</b>	<b>0.12</b>	<b>1</b>	<b>1</b>	<b>0.5</b>
<b>Highest limit</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>128</b>	<b>64</b>	<b>64</b>
<b>N of tested isolates</b>	<b>22</b>	<b>22</b>	<b>22</b>	<b>22</b>	<b>22</b>	<b>22</b>
<b>N of resistant isolates</b>	<b>4</b>	<b>20</b>	<b>19</b>	<b>7</b>	<b>18</b>	<b>22</b>
<b>MIC</b>						
<=0.12	1		3			
0.25	9					
0.5	8	1				
<=1				15		
1		1				
2			1		1	
4			1			
8			8		1	
16			6		2	1
>16	4	20	3			
32					2	1
64					11	4
>64					5	16
128				1		
>128				6		

Table Antimicrobial susceptibility testing of Campylobacter - C. coli in Pigs - fattening pigs (not specified)

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) (not specified)

Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Aminoglycosides - Streptomycin	Fluoroquinolones - Ciprofloxacin	Macrolides - Erythromycin	Quinolones - Nalidixic acid	Tetracyclines - Tetracycline
<b>ECOFF</b>	<b>2</b>	<b>4</b>	<b>0.5</b>	<b>8</b>	<b>16</b>	<b>2</b>
<b>Lowest limit</b>	<b>0.12</b>	<b>0.25</b>	<b>0.12</b>	<b>1</b>	<b>1</b>	<b>0.5</b>
<b>Highest limit</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>128</b>	<b>64</b>	<b>64</b>
<b>N of tested isolates</b>	<b>170</b>	<b>170</b>	<b>170</b>	<b>170</b>	<b>170</b>	<b>170</b>
<b>N of resistant isolates</b>	<b>18</b>	<b>157</b>	<b>159</b>	<b>106</b>	<b>159</b>	<b>169</b>
<b>MIC</b>						
<=0.12	8		10			
0.25	46		1			
<=0.5						1
0.5	92	1				
<=1				63		
1	5		1			
2	1	9	1	1		
4		3	25		2	
8	1	1	79		8	
16	1	4	47	1	1	2
>16	16	152	6			
32					3	4
64				2	47	18
>64					109	145
128				28		
>128				75		

Table Antimicrobial susceptibility testing of Campylobacter - C. jejuni in Cattle (bovine animals) - calves (under 1 year) - for slaughter

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) (not specified)

Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Aminoglycosides - Streptomycin	Fluoroquinolones - Ciprofloxacin	Macrolides - Erythromycin	Quinolones - Nalidixic acid	Tetracyclines - Tetracycline
<b>ECOFF</b>	2	4	0.5	4	16	1
<b>Lowest limit</b>	0.12	0.25	0.12	1	1	0.5
<b>Highest limit</b>	16	16	16	128	64	64
<b>N of tested isolates</b>	98	98	98	98	98	98
<b>N of resistant isolates</b>	2	11	69	0	64	76
<b>MIC</b>						
<=0.12	78		27			
<=0.25		32				
0.25	18		2			
<=0.5						21
0.5		43				
<=1				98		
1		11	2			1
2		1	3		10	
4			39		15	
8			24		4	2
16		4	1		5	8
>16	2	7				
32					27	19
64					27	31
>64					10	16

ANTIMICROBIAL RESISTANCE TABLES FOR SALMONELLA

Table Antimicrobial susceptibility testing of Salmonella - S. 4,12:b:- in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
LC50%	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates			1											
<=0.03						1								
<=0.06				1										
<=0.12	1				1									
<=0.25							1							1
<=0.5										1				
<=1													1	
<=2									1					
<=4											1			
<=8		1												
<=16								1						
<=32												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates			1											
<=0.03						1								
<=0.25				1			1							
<=0.5	1				1									
0.5										1				1
<=1													1	
<=2														
2									1					
<=4											1			
<=8		1												
8								1						
64												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.03			1											
<=0.25				1										1
<=0.5	1				1									
0.5							1							
<=1										1				
<=2													1	
2									1					
<=4											1			
<=8		1						1						
8														
32														1



Table Antimicrobial susceptibility testing of Salmonella - S. 6,7:-:1,5 in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	0	0	0	1	0	0	0
MIC isolates			1											
<=0.5	1				1									
D5				1		1								
>=1										1				
1														1
4									1				1	
8								1						
16		1										1		
>128											1			

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
0.03														
0.06			1											
<=0.25				1			1							1
<=0.5	1				1									
<=2													1	
2									1	1				
<=4											1			
<=8		1												
8								1						
16												1		

Table Antimicrobial susceptibility testing of Salmonella - S. Adelaide in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	0	0	0	0	0	0	0
MIC isolates			1											
<=0.25				1										1
0.25						1								
<=0.5	1				1									
0.5							1							
<=1									1	1				
<=2													1	
4								1						
<=8		1												
16											1			
32												1		

Table Antimicrobial susceptibility testing of Salmonella - S. Agona in Cattle (bovine animals) - calves (under 1 year) - for slaughter

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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						2								
<=0.015			2											
<=0.25				2			1							2
<=0.5	2				2									
0.5							1							
<=1									2	2				
<=2													2	
<=4											2			
4								1						
<=8		2												
8								1						
32												1		
64													1	

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	15	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.03			3											
D.03						2								
<=0.25				3			3							3
<=0.5	3				3									
<=1								2	2					
<=2													3	
2								1	1					
<=4											1			
4								2						
<=8		3												
8								1			2			
16												2		
32													1	

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

Sampling Stage: Farm (not specified)      Sampling Type: animal sample - faeces      Sampling Context: Control and eradication programmes  
 Sampler: Industry sampling      Sampling Strategy: Census      Programme Code: AMR MON pri2  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Carbapenems - Ertapenem		Carbapenems - Imipenem		Carbapenems - Meropenem		Cephalosporins - Cefepime		Cephalosporins - Cefotaxime		Cephalosporins - Cefoxitin		Cephalosporins - Ceftazidime		Cephalosporins + $\beta$ -lactamase inhibitors + Ceftazidime + Clavulanic acid		Cephalosporins + $\beta$ -lactamase inhibitors + Ceftazidime + Clavulanic acid		Penicillins - Temocillin		
	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	
ESBL genotype	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	
AMPIC genotype	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	
CARBAPENEM genotype	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	
Cefotaxime synergy test	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	
Ceftazidime synergy test	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	
ECOFF	0.06	1	0.12	0.12	0.06	0.25	0.5	0.25	0.5	0.25	0.5	0.25	0.5	0.25	0.5	0.25	0.5	0.25	0.5	0.25	
Lowest limit	0.015	0.12	0.03	0.06	0.06	0.25	0.5	0.25	0.5	0.25	0.5	0.25	0.5	0.25	0.5	0.25	0.5	0.25	0.5	0.25	
Highest limit	2	16	16	32	64	64	128	64	128	64	128	64	128	64	128	64	128	64	128	64	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
N of resistant isolates	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MIC																					
$\leq 0.015$	1																				
$\leq 0.03$			1																		
$\leq 0.12$		1																			
0.12																					
0.5																					
1																					
4					1																
8									1											1	
16										1											

Table Antimicrobial susceptibility testing of Salmonella - S. Agona in Turkey - fattening flocks - before slaughter

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	0	0	0	1	0	1	0	0	1	0	0	1	1	1
MIC isolates														
<=0.015						1								
<=0.03			3											
0.06						1								
<=0.25				2			1							
0.25						1								
<=0.5		2			2									
0.5							2							2
<=1					1			1		3				
1														
<=2													1	
2	1								1					
<=4												1		
4														1
<=4				1										
<=8		2												
8								3				1		
<=16		1										1		
16													1	
<=32														1
32														
<=64									1					
64													1	
<=1024														1
1024														

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

Sampling Stage: Farm (not specified)      Sampling Type: animal sample - faeces      Sampling Context: Control and eradication programmes  
 Sampler: Official sampling      Sampling Strategy: Census      Programme Code: AMR MON pri2  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Carbapenems - Ertapenem	Carbapenems - Imipenem	Carbapenems - Meropenem	Cephalosporins - Cefepime	Cephalosporins - Cefotaxime	Cephalosporins - Cefoxitin	Cephalosporins - Ceftazidime	Cephalosporins + $\beta$ -lactamase inhibitors + Ceftazidime + Clavulanic acid	Cephalosporins + $\beta$ -lactamase inhibitors + Ceftazidime + Clavulanic acid	Penicillins - Temocillin
ESBL genotype	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14	CTX-M-14
AMPIC genotype	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
CARBAPENEM genotype	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
Cefotaxime synergy test	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent
Ceftazidime synergy test	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present
ECOFF	0.06	1	0.12	0.12	0.5	8	2	0.5	2	32
Lowest limit	0.015	0.12	0.03	0.06	0.25	0.5	0.25	0.06	0.12	0.5
Highest limit	2	16	16	32	64	64	128	64	128	128
N of tested isolates	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	1	1	0	0	1	0	0
MIC $\leq$ 0.015	1									
$\leq$ 0.03			1							
$\leq$ 0.12		1							1	
$\leq$ 0.25										
1							1			
2				1						
4								1		
8							1			
16					1					1



Table Antimicrobial susceptibility testing of Salmonella - S. Agona in Turkey - fattening flocks - before slaughter

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	1	0	1	0	0	1	0	0	1	1	1
MIC isolates			1			1	1							
<=0.5														
<=1										1				
<=2	1				1									
<=4				1										
<=8		1												
0								1						
<=16											1			
<=32														1
<=64													1	
<=128								1						
>=1024												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						2								
<=0.03			2											
<=0.25				2			2							1
<=0.5	2				2									
0.5														1
<=1									2	2				
<=2													2	
<=4											2			
4								2						
<=8			2											
32												2		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.015			1											
<=0.03				1			1							1
<=0.25	1				1									
<=0.5									1	1				
<=1													1	
<=2											1			
<=4														
<=8		1						1						
<=32												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						2								
<=0.03			2											
<=0.25				2			2							2
<=0.5	2				2									
<=1								2	2					
<=2													2	
<=4											1			
<=8		2						2						
16											1		1	
32												1		

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

Sampling Stage: Farm (not specified) 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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates			1											
<=0.03						1								
<=0.25				1			1							
<=0.5					1									
0.5														1
<=1										1				
1	1													
<=2									1					1
2														
<=4											1			
4								1						
<=8		1												
8														1
16														

Table Antimicrobial susceptibility testing of Salmonella - S. Anatum in Cattle (bovine animals) - calves (under 1 year) - for slaughter

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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	15	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates														
<=0.015			3			3								
<=0.03				3			3							3
<=0.25	3				3									
<=0.5									3	3				
<=1													3	
<=2											3			
<=4														
4								3						
<=8		3												
16												3		

Table Antimicrobial susceptibility testing of Salmonella - S. Anatum in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						2								
<=0.03			2											
<=0.25				2										
<=0.5	2				2									
0.5							2							2
<=1									1	2				
<=2													2	
2									1					
<=4											2			
4								1						
<=8		2												
8								1						
32												1		
64													1	

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates			1											
<=0.03						1								
<=0.25				1			1							
<=0.5	1				1									
0.5														1
<=1									1	1				
<=2														1
4								1						
<=8		1												
8											1			
64												1		



Table Antimicrobial susceptibility testing of Salmonella - S. Anatum in Meat from pig - carcasse (not specified)

Sampling Stage: Slaughterhouse      Sampling Type: food sample - carcasse swabs      Sampling Context: Monitoring - EFSa specifications  
 Sampler: Official sampling      Sampling Strategy: Objective sampling      Programme Code: AMR MON  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	15	0.12	0.5	2	0.05	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	9	9	9	9	9	9	9	9	9	9	9	9	9	9
N of resistant isolates	0	0	0	0	0	0	0	0	2	0	0	0	2	0
MIC isolates						5								
<=0.03		9												
0.03					4									
<=0.25				9										2
<=0.5	6				9		9							7
0.5										3				
<=1	2													
1													7	
<=2	1							6			9			
<=4								1						
4														
<=8		8						8						
8														
16		1						1			2		1	
32														
64											7		1	
>64									2					

Table Antimicrobial susceptibility testing of Salmonella - S. Anatum in Meat from bovine animals - carcase (not specified)

Sampling Stage: Slaughterhouse      Sampling Type: food sample - carcase swabs      Sampling Context: Monitoring - EFSa specifications  
 Sampler: Official sampling      Sampling Strategy: Objective sampling      Programme Code: AMR MON  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	1	0
MIC isolates														
<=0.015						1								
<=0.03			1			1								
D.06			1				1							1
<=0.25				2										
<=0.5					2									
D.5														1
<=1									1	2				
I							1							
<=2														1
I2									1					
<=4											1			
<=8			2											
I5								1			1			
I56								1						
I32												1		
I64												1		
<=64													1	

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	1	0	0	0	0	0	0	0	0	0	1	1	1
MIC isolates			1											
<=0.03						1								
<=0.25				1	1									
<=0.5	1						1							
0.5									1					
<=1										1				
2											1			
<=4												1		
4								1						
>=32													1	1
64		1												
>=128														
>=1024												1		

Table Antimicrobial susceptibility testing of Salmonella - S. Bovismorbificans in Meat from plg - carcase (not specified)

Sampling Stage: Slaughterhouse      Sampling Type: food sample - carcase swabs      Sampling Context: Monitoring - EFSa specifications  
 Sampler: Official sampling      Sampling Strategy: Objective sampling      Programme Code: AMR MON  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	4	4	4	4	4	4	4	4	4	4	4	4	4	4
N of resistant isolates	0	2	0	0	0	0	0	0	0	0	3	3	3	3
MIC isolates			3											
<=0.03						4								
0.06			1											
0.12				4			1							1
<=0.25					4									
<=0.5		3			4				3	4				
<=1		1					3							
1														
<=2									1					1
2														
<=4											4			
4								3						
<=8		2												
8								1						
<=16												1		
16														3
<=32		2												
32													3	
<=64														
64														
<=1024													3	
1024														

Table Antimicrobial susceptibility testing of Salmonella - S. Braenderup in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	0	0	0	0	0	0	0
MIC isolates			1											
<=0.03				1										
<=0.25					1									1
0.25						1								
<=0.5	1				1									
0.5							1							
<=1									1					
<=2													1	
2										1				
4								1						
<=8		1												
16											1			
<=32												1		

Table Antimicrobial susceptibility testing of Salmonella - S. Brandenburg in Meat from pig - carcass (not specified)

Sampling Stage: Slaughterhouse      Sampling Type: food sample - carcass swabs      Sampling Context: Monitoring - EFSA specifications  
 Sampler: Official sampling      Sampling Strategy: Objective sampling      Programme Code: AMR MON  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	1	0	0	0	0	1	2	0
MIC isolates						1								
<=0.03			1			1								
D.06			1											2
<=0.25				2										
<=0.5	1				2									
1	1						1							
2							1	2		2				
<=4											2			
<=8		2												
8								2						
<=64													2	
128												1		
>1024												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						2								
<=0.015			2											
<=0.25				2			1							2
<=0.5	2				2									
0.5							1							
<=1									2	1				
<=2													2	
2										1				
<=4											2			
4								1						
<=8		2												
8								1						
16												1		
32													1	

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	0	1	0	1	0	1	0
MIC isolates			1											
<=0.25				1										1
0.25						1								
<=0.5					1									
<=1							1			1				
1	1													
<=8		1												
8								1						
32												1		
64									1				1	
>128											1			



Table Antimicrobial susceptibility testing of Salmonella - S. Bredeney in Turkey - fattening flocks - before slaughter

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	0	1	0	1	0	1	0
MIC isolates			1											
<=0.03			1											
<=0.25				1										1
0.25					1									
<=0.5	1									1				
<=1							1							
1														
<=8		1												
8								1						
32												1		
64									1				1	
>128											1			

Table Antimicrobial susceptibility testing of Salmonella - S. Bredeney in Meat from bovine animals - carcase (not specified)

Sampling Stage: Slaughterhouse      Sampling Type: food sample - carcase swabs      Sampling Context: Monitoring - EFSa specifications  
 Sampler: Official sampling      Sampling Strategy: Objective sampling      Programme Code: AMR MON  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates			1											
<=0.03						1								
<=0.25				1										1
<=0.5	1				1									
1							1							
<=2													1	
2										1				
<=8		1												
8								1			1			
164												1		

Table Antimicrobial susceptibility testing of Salmonella - S. Cerro in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.015			1											
<=0.25				1	1									1
<=0.5	1				1		1							
0.5														
<=1								1	1					
<=2													1	
<=4											1			
4								1						
<=8		1												
32												1		

Table Antimicrobial susceptibility testing of Salmonella - S. Cerro in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.03		2												
0.03						1								
<=0.25				2			2							1
<=0.5	2				2									
0.5														1
<=1								2		1				
<=2													2	
2										1				
<=4											2			
4								2						
<=8		2												
64												2		

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

Sampling Stage: Farm (not specified)      Sampling Type: animal sample - faeces      Sampling Context: Control and eradication programmes  
 Sampler: Official sampling      Sampling Strategy: Census      Programme Code: AMR MON pri2  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Cephalosporins + Carbapenems +		Cephalosporins + Carbapenems +		Cephalosporins + Carbapenems +		Cephalosporins + Carbapenems +		Cephalosporins + Carbapenems +		Penicillins +
	ESBL genotypes	ESBL genotypes	ESBL genotypes	ESBL genotypes	ESBL genotypes	ESBL genotypes	ESBL genotypes	ESBL genotypes	ESBL genotypes	ESBL genotypes	
ESBL genotypes	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
AMPIC genotypes	CMY-2	CMY-2	CMY-2	CMY-2	CMY-2	CMY-2	CMY-2	CMY-2	CMY-2	CMY-2	CMY-2
CARBAPENEM genotypes	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
Cefotaxime synergy test	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent
Ceftazidime synergy test	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent
FICOFF	0.06	1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Lowest limit	0.015	0.12	0.03	0.06	0.25	0.5	0.25	0.06	0.12	0.5	0.5
Highest limit	2	16	16	32	64	64	128	64	128	128	128
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	1	1	1	1	1	1	0	0
≤0.015	1										
≤0.03			1								
0.25		1		1							
8											1
16					1			1			
32							1		1		
64							1		1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	1	1	0	0	0	1	0	0	0	0	0
MIC isolates						1								
<=0.03			1											
<=0.25							1							1
[0.5]										1				
<=1	1													
<=2													1	
<=4											1			
4								1						
>=4				1										
<=8		1												
>=8					1									
>=16												1		
>=64									1					

Table Antimicrobial susceptibility testing of Salmonella - S. Coeln in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates			1											
<=0.03					1									
<=0.25				1										1
<=0.5	1				1									
<=1							1		1					
<=2													1	
<=4											1			
4								1						
<=8			1											
<=32														1

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.015			1											
<=0.03				1			1							
<=0.25	1				1									
<=0.5														
0.5														1
<=1									1	1				
<=2													1	
<=4											1			
4								1						
<=8			1											
32														1



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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	9	9	9	9	9	9	9	9	9	9	9	9	9	9
N of resistant isolates	0	0	0	0	0	1	0	0	0	0	0	0	0	0
MIC isolates						8								
<=0.03			8											
D.06		1					6							6
<=0.25				9										
0.25						1								
<=0.5	9				9									
0.5							3							3
<=1									6	8				
<=2								3						9
2									3					
<=4											8			
4								6						
<=8		9												
8											1	3		
32														4
64														2

Table Antimicrobial susceptibility testing of Salmonella - S. Corvallis in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.015			1											
<=0.25				1			1							1
<=0.5	1				1									
<=1									1	1				
<=2									1				1	
<=4											1			
<=8														1
16														

Table Antimicrobial susceptibility testing of Salmonella - S. Denver in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	0	1	0	0	1	1	1
MIC isolates			1											
<=0.25				1										
0.25						1								
<=0.5	1				1									
0.5							1							
<=1										1				
<=8		1												
8								1						
16											1			
>=32													1	1
64														
>=64								1						
>1024												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates			1											
<=0.03			1			1								
<=0.25				1		1	1							1
<=0.5	1				1				1	1				
<=1													1	
<=2											1			
<=4														
8								1						
16		1										1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	1	0
MIC isolates						1								
<=0.03			1											
<=0.25				1										
<=0.5	1				1									
0.5							1							1
<=1									1	1				
<=4											1			
<=8		1												
8								1						
16												1		
32													1	

Table Antimicrobial susceptibility testing of Salmonella - S. Derby in Turkey - fattening flocks - before slaughter

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	85	85	85	85	85	85	85	85	85	85	85	85	85	85
N of resistant MIC isolates	0	48	0	0	0	80	7	0	84	0	10	84	85	84
<=0.015						4								
<=0.03			83											
0.03						1								
0.06			2											
0.12						1								
<=0.25				84			2							
0.25						64								
<=0.5	81				83									
0.5				1		15	57							1
<=4									57					
1	24				2		19							
2							7		1	28				
<=4											5			
8									15					
<=8		34												
8								59			5			
16		3						11			65	1		
32		1									9			
>32														84
64		31							1				23	
<=64									83				62	
128		10												
>128		6									1			
>1024												84		

Table Antimicrobial susceptibility testing of Salmonella - S. Derby in Turkey - fattening flocks - before slaughter

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	0	1	0	0	0	2	0	0	3	0	0	3	3	3
MIC isolates						1								
≤0.03			2											
D.06		1												
≤0.25				2			1							
0.25						2								
≤0.5	3				2									
0.5				1			2							
≤1										3				
1					1									
≤4											1			
≤8		2												
8								3						
16											2			
≤32														3
64		1											2	
≥64									3				1	
≥1024												3		

Table Antimicrobial susceptibility testing of Salmonella - S. Derby in Meat from pig - carcase (not specified)

Sampling Stage: Slaughterhouse      Sampling Type: food sample - carcase swabs      Sampling Context: Monitoring - EFSA specifications  
 Sampler: Official sampling      Sampling Strategy: Objective sampling      Programme Code: AMR MON  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	15	0.12	0.5	2	0.05	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	20	20	20	20	20	20	20	20	20	20	20	20	20	20
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	6	8	4
MIC isolates						18								
<=0.03			11											
0.03						2								
0.06			9											
<=0.25				20			1							6
<=0.5					20									
0.5														9
<=1									11		20			
1														1
<=2													10	
2														
<=4												19		
4														
<=8			19					4						
8													1	2
16														
32														6
>=32														4
64													4	3
128													3	5
256														1
>1024														6



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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	0	0	0	1	0	0	0
MIC isolates			1											
<=0.12						1								
<=0.25				1			1							
<=0.5	1				1									
0.5														1
<=1									1	1				
<=2													1	
4								1						
<=8		1												
32												1		
>128													1	

Table Antimicrobial susceptibility testing of Salmonella - S. Ealing in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.015			1											
<=0.25				1										1
<=0.5	1				1									
0.5							1							
<=1									1	1				
<=2													1	
<=4											1			
4								1						
<=8		1												
64														1

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.03			1											
<=0.25				1			1							
<=0.5	1				1									
<=2									1	1				1
<=4											1			
<=8		1												
8								1						
>=8												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	15	0.12	0.5	2	0.05	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	15	15	15	15	15	15	15	15	15	15	15	15	15	15
N of resistant MIC isolates	0	0	0	0	0	9	0	0	1	0	9	1	1	1
<=0.015						5								
<=0.03			15											
0.03						1								
0.12						1								
<=0.25				15			9							7
0.25						8								
<=0.5		13			15									
0.5							5							5
<=1		2							8	3				
1							1							2
<=2									6	12			14	
2														
<=4											6			
4									13					
<=8		15												
8								2						
16													6	
32													5	
>32														1
64												3		
>64								1					1	
>128											9			
>1024												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	4	4	4	4	4	4	4	4	4	4	4	4	4	4
N of resistant isolates	0	0	0	0	0	3	0	0	0	0	3	0	0	0
MIC isolates														
<=0.015						1								
<=0.03		4												
<=0.25				4			2							1
[0.25						3								
<=0.5	4				4									
[0.5							2							3
<=1								3		1				
<=2									1	3				4
2														
<=4								4			1			
4		4												
<=8														1
16														
<=32													3	
>128											3			

Table Antimicrobial susceptibility testing of Salmonella - S. Enteritidis in Meat from pig - carcass (not specified)

Sampling Stage: Slaughterhouse      Sampling Type: food sample - carcass swabs      Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling      Sampling Strategy: Objective sampling      Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate) (not specified)

Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	2	0	0	2	2	0
MIC isolates			1			2								
<=0.03						2								
D.06			1											
<=0.25				2										1
<=0.5	1				2									
<=0.5							2							1
<=1										1				
2	1										1			
<=4												1		
4								2						
<=8		2												
8											1			
>=64									2				2	
>1024												2		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.03			1											
<=0.25				1										
<=0.5	1				1									
0.5							1							1
<=1										1				
<=2													1	
2									1					
<=4											1			
<=8		1												
8								1						
32												1		

Table Antimicrobial susceptibility testing of Salmonella - S. Give in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						2								
<=0.03			2											
<=0.25				2			2							2
<=0.5	2				2									
<=1									2	2				
<=2													2	
<=4											2			
<=8		2						2						
<=16													2	



Table Antimicrobial susceptibility testing of Salmonella - S. Goldcoast in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	1	0	0	1	1	1
MIC isolates						1								
<=0.03			1											
<=0.25				1										
<=0.5	1				1					1				
<=1							1							
<=4											1			
<=8		1						1						
<=32														1
<=64									1				1	
>=1024												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	1	0	0	1	0	1
MIC isolates			1											
<=0.03						1								
<=0.25				1			1							
<=0.5	1				1									
<=1									1					
<=2													1	
<=4											1			
<=8		1												
8								1						
>=32														1
>=64									1					
>=1024												1		

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

Sampling Stage: Farm (not specified)      Sampling Type: animal sample - faeces      Sampling Context: Control and eradication programmes  
 Sampler: Industry sampling      Sampling Strategy: Census      Programme Code: AMR MON pri2  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Carbapenems - Ertapenem	Carbapenems - Imipenem	Carbapenems - Meropenem	Cephalosporins - Cefepime	Cephalosporins - Cefotaxime	Cephalosporins - Cefoxitin	Cephalosporins - Ceftazidime	Cephalosporins + $\beta$ -lactamase inhibitors + Ceftazidime + Clavulanic acid	Cephalosporins + $\beta$ -lactamase inhibitors + Ceftazidime + Clavulanic acid	Penicillins - Temocillin
ESBL genotype	SHV-12	SHV-12	SHV-12	SHV-12	SHV-12	SHV-12	SHV-12	SHV-12	SHV-12	SHV-12
AMPIC genotype	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
CARBA-PEM1 genotype	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
Cefotaxime synergy test	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present
Ceftazidime synergy test	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present
ECOFF	0.06	1	0.12	0.12	0.5	1	2	0.5	2	32
Lowest limit	0.015	0.12	0.03	0.06	0.25	0.5	0.25	0.06	0.12	0.5
Highest limit	2	16	16	32	64	64	128	64	128	128
N of tested isolates	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	1	1	0	1	0	0	0
MIC $\leq 0.015$	1									
MIC $\leq 0.03$			1							
MIC $\leq 0.06$		1						1		1
MIC $\leq 0.25$				1			1			
MIC $\leq 0.5$						1				
MIC $\leq 1$										1
MIC $\leq 2$										
MIC $\leq 4$										
MIC $\leq 16$					1					
MIC $\leq 64$							1			

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Ceftazoxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	1	0	1	1	1	0	0	2	0	1	1	2	1
MIC isolates		2												
<=0.03						1								
<=0.25				1										1
<=0.5					1	1								
<=0.5	2						2							
<=1										2				
<=4											1			
4								1						
>=4				1										
<=8		1							1					
8						1								
>=8														1
>=32												1	2	
64									2					
>=64														
>=128	1										1			
>=1024												1		

Table Antimicrobial susceptibility testing of Salmonella - S. Hadar in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	1	0	0	0	0	1	0	1	0
MIC isolates						1								
<=0.015			2											
<=0.03				2			1							2
<=0.25						1								
<=0.5	2				2									
<=0.5							1							
<=1								2		2				
<=2													1	
<=4												1		
8								2						
<=8		2												
16												1		
32												1		
64													1	
>128											1			

Table Antimicrobial susceptibility testing of Salmonella - S. Hadar in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	0	0	0	0	0	3	0	0	0	0	3	0	3	0
MIC isolates			3											
<=0.03				3										
<=0.25					3									2
0.25						3								
<=0.5	3				3									
0.5							3							1
<=1									2	3				
2										1				
4								2						
<=8		3												
8								1						
16												3		
64													3	
>128														3

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	0	0	0	0	0	3	0	0	0	0	3	0	0	0
MIC isolates			3											
<=0.25				2										
<=0.5	3				3									3
[0.5]				1		3	1				3			
<=1										3				
1							2							
4									3				3	
<=8		2												
8								2						
16		1						1				2		
64												1		
>128											3			

Table Antimicrobial susceptibility testing of Salmonella - S. Hadar in Turkey - fattening flocks - before slaughter

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	17	17	17	17	17	17	17	17	17	17	17	17	17	17
N of resistant isolates	0	0	0	0	0	17	3	0	9	0	17	0	16	0
MIC isolates			17											
<=0.25				14										5
0.25						1								
<=0.5	13				17									
0.5				3		11	3							10
<=1	4					11			3	11				
1						5								2
2							3			6				
4								3	4					1
<=8		12												
8								13	1					
16		5						1				11		
32												6		
64													3	
>64									9				13	
>128											17			



Table Antimicrobial susceptibility testing of Salmonella - S. Hadar in Turkey - fattening flocks - before slaughter

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	0	0	0	1	0	1	0
MIC isolates			1											
<=0.03			1											
<=0.25				1										1
0.25						1								
<=0.5	1				1									
0.5							1							
<=1										1				
1														
2														
4								1						
<=8		1												
32												1		
64													1	
>128														1

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates			3											
<=0.03						3								
<=0.25				3	3									3
<=0.5	2						2							
0.5										3				
<=1	1						1							
1									3					
2											2			
<=4								1				3	3	
4														
<=8											1	3		
8			3					2						
16														

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.03			1											
<=0.25				1	1									1
<=0.5	1				1									
0.5							1							
<=1								1	1					
<=2													1	
<=4											1			
4								1						
<=8		1												
32												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	0	0	0	1	0	0	0
MIC isolates			1											
<=0.03				1										
<=0.25					1									
<=0.5	1													
[0.5]						1								1
<=1							1			1				
1					1									
2									1					
4													1	
8								1						
16		1												
32											1			
64												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	0	0	0	1	0	0	0
MIC isolates			1											
<=0.03				1										
<=0.25					1									1
<=0.5	1					1								
[0.5]							1							
<=1									1					
<=2													1	
2												1		
<=8		1												
8								1						
>=8											1		1	

Table Antimicrobial susceptibility testing of Salmonella - S. I dikan in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates			1											
<=0.03						1								
<=0.25				1										
<=0.5	1				1									
0.5							1							1
<=1										1				
<=2													1	
2									1					
<=4											1			
8								1						
16		1												
32												1		

Table Antimicrobial susceptibility testing of Salmonella - S. II 41:z10:z6 in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.015			1											
<=0.25				1			1							1
<=0.5	1				1									
<=1								1	1					
<=2													1	
<=4											1			
<=8		1												
8								1						
16												1		

Table Antimicrobial susceptibility testing of Salmonella - S. II 41:z10:z6 in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates			1											
<=0.03						1								
<=0.25				1										
<=0.5	1				1									
0.5							1							1
<=1										1				
<=2													1	
2									1					
<=4												1		
<=8		1												
8								1						
16												1		



Table Antimicrobial susceptibility testing of Salmonella - S. 111a in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.03			1											
<=0.25				1										1
<=0.5	1				1									
0.5							1							
<=1										1				
<=2													1	
2									1					
<=4											1			
<=8		1										1		
8								1						

Table Antimicrobial susceptibility testing of Salmonella - S. 111b in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	0	0	0	0	0	0	0
MIC isolates			1											
<=0.03			1											
<=0.25				1			1							1
0.25					1									
<=0.5	1													
<=1									1	1				
<=2													1	
<=4			1											
8								1						
16											1			1

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	6	6	6	6	6	6	6	6	6	6	6	6	6	6
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates														
<=0.015						2								
<=0.03			6											
0.03						3								
0.06						1								
<=0.25				6			5							1
<=0.5		5			6									
0.5														4
<=1								5	6					
1	1						1							1
<=2													5	
<=4											5			
4								1	1				1	
<=8		5									1			
8								4						
16		1							1				2	
32													3	
64													1	

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	15	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	13	13	13	13	13	13	13	13	13	13	13	13	13	13
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						11								
<=0.03			12			2								
0.03														
0.06			1											
<=0.25				13			3							6
<=0.5					13									
0.5							10							7
<=1								7		13				
1		2												
<=2													13	
2								6						
<=4											13			
4									11					
<=8		13												
8								2						
16												6		
32													4	
64														3

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	15	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	7	7	7	7	7	7	7	7	7	7	7	7	7	7
N of resistant isolates	0	0	0	0	0	5	0	0	1	0	5	3	2	1
MIC isolates						1								
<=0.03		7												
0.03						1								
<=0.25				6			2							3
<=0.5	7				7									
0.5				1		4	3							3
<=1								2		7				
1						1	2							
<=2													4	
2								2						
<=4											2			
4								3	2				1	
<=8		5												
8												2		
16												2		
32												2		1
>32														
>64								1					2	
>128											5			
>1024												3		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	0	0	0	0	0	2	0	0	0	0	2	2	2	2
MIC isolates			3											
<=0.03						1								
<=0.25				3										1
<=0.5	2				3									
0.5						1	1							
<=1										3				
1						1	2							
<=2														1
2	1								2					
<=4											1			
4								1	1					
<=8		3												
8								2						
<=32												1		
>32													2	2
>64														
128											1			
>128												1		
>1024													2	

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	0	1	0	0	1	1	1
MIC isolates			1											
<=0.03				1										
<=0.25					1									
0.25						1								
<=0.5	1				1									
0.5							1							
2										1				
<=8		1												
8								1						
16											1			
32														1
>=64									1				1	
>=1024												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	1	0	0	0	1	0	0	1	0	0	1	1	1
MIC isolates		1												
<=0.25				1			1							
0.25						1								
<=0.5	1				1				1					
<=1										1				
4								1						
8											1			
>=32														1
>=64									1					1
>=128		1												
>=1024												1		



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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	1	0	
MIC isolates						1								
<=0.03			1											
<=0.25				1										
<=0.5	1				1									
0.5													1	
<=1							1		1	1				
1														
<=4											1			
<=8		1												
8								1						
16												1		
64													1	

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	0	0	0	1	0	0	1	0	1	1	1	0
MIC isolates			1											
<=0.25				1										
<=0.5					1									
[0.5]						1								1
<=1								1		1				
4									1					
<=8		1												
8						1								
32	1													1
64								1						
>=128										1				
>=1024											1			

Table Antimicrobial susceptibility testing of Salmonella - S. Kedougou in Meat from pig - carcass (not specified)

Sampling Stage: Slaughterhouse      Sampling Type: food sample - carcass swabs      Sampling Context: Monitoring - EFSA specifications  
 Sampler: Official sampling      Sampling Strategy: Objective sampling      Programme Code: AMR MON  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	1	0	1	0	1
MIC isolates			1											
<=0.03						1								
<=0.25				1			1							
<=0.5	1				1									
<=1									1					
<=2													1	
<=4											1			
<=8								1		1				
<=16		1												
<=32														1
>1024												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	6	6	6	6	6	6	6	6	6	6	6	6	6	6
N of resistant isolates	1	0	0	0	0	6	0	0	0	0	6	1	3	0
MIC isolates			6											
<=0.25				6			2							2
<=0.5	3				5			1						1
0.5									2	6				
1	2				1		3							2
<=2													3	
2									3					1
4								2	1					
<=8		4												
8						2		3						
>8						4								
16	1	2						1				2		
32												3		
64													1	
>64													2	
>128											6			
>1024												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	1	0	0	0	0	1	0	0	0	0	1	1	1	0
MIC isolates						1								
<=0.015			2											
<=0.25				2	2									2
<=0.5	1				2									
0.5							2							
<=1									1	1				
<=2													1	
2									1	1				
<=4											1			
4														
<=8			2					2						
8						1								
>=8												1		
16	1													
64											1		1	
>128														
>1024														1

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

Sampling Stage: Farm (not specified)      Sampling Type: animal sample - faeces      Sampling Context: Control and eradication programmes  
 Sampler: Industry sampling      Sampling Strategy: Census      Programme Code: AMR MON pri2  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Carbapenems - Ertapenem		Carbapenems - Imipenem		Carbapenems - Meropenem		Cephalosporins - Cefepime		Cephalosporins - Cefotaxime		Cephalosporins - Cefoxitin		Cephalosporins - Ceftazidime		Cephalosporins + $\beta$ lactamase inhibitors - Cefotaxime + Clavulanic acid		Cephalosporins + $\beta$ lactamase inhibitors - Ceftazidime + Clavulanic acid		Penicillins - Temocillin		
	genotype	TEM-1	genotype	TEM-1	genotype	TEM-1	genotype	TEM-1	genotype	TEM-1	genotype	TEM-1	genotype	TEM-1	genotype	TEM-1	genotype	TEM-1	genotype	TEM-1	
AMPC	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
CARBAPENEM	CMY-2	NOT AVAILABLE	CMY-2	NOT AVAILABLE	CMY-2	NOT AVAILABLE	CMY-2	NOT AVAILABLE	CMY-2	NOT AVAILABLE	CMY-2	NOT AVAILABLE	CMY-2	NOT AVAILABLE	CMY-2	NOT AVAILABLE	CMY-2	NOT AVAILABLE	CMY-2	NOT AVAILABLE	CMY-2
Ceftaxime	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
synergy test	Negative/Absent	Positive/Present	Negative/Absent	Negative/Absent	Positive/Present	Negative/Absent	Negative/Absent	Positive/Present	Negative/Absent	Negative/Absent	Positive/Present	Negative/Absent	Negative/Absent	Positive/Present	Negative/Absent	Negative/Absent	Positive/Present	Negative/Absent	Negative/Absent	Positive/Present	Negative/Absent
ECCFF	0.06	0.06	0.06	1	1	1	0.12	0.12	0.12	0.12	0.12	0.5	0.5	0.5	8	8	8	2	2	2	0.5
Lowest limit	0.015	0.015	0.015	0.12	0.12	0.12	0.03	0.03	0.06	0.06	0.06	0.25	0.25	0.25	0.5	0.5	0.25	0.25	0.25	0.25	0.06
Highest limit	2	2	2	16	16	16	32	32	64	64	64	128	128	128	128	128	128	128	128	128	128
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC	1	1	1				1	1	1												
<=0.015																					
<=0.03																					
<=0.06																					1
0.25				1	1	1															
0.5							1	1	1												1
1															1						
2																					
4																					
8																					
16																					1
32																					
64																					
128																					

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	26	26	26	26	26	26	26	26	26	26	26	26	26	26
N of resistant isolates	17	2	0	3	3	26	0	0	19	0	25	16	12	0
MIC isolates			25											
<=0.06			1											
<=0.25				23			11							16
<=0.5	9				17									
0.5							9							9
<=1								5		26				
1					6		6							1
<=2									2				14	
2														
4	1							17						
<=4				3										
<=8		23												
8	1					13		8			1			
<=8					3	13								
16	9	1						1				8		
<=16	5											2	1	
<=32	1													
64									5					6
<=64														5
128		1							14					
<=128		1										25		
>1024													16	

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	15	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	13	13	13	13	13	13	13	13	13	13	13	13	13	13
N of resistant isolates	6	0	0	0	0	13	0	0	8	0	13	6	0	0
MIC isolates			13											
<=0.25				12			4							9
<=0.5	7				11									
[0.5				1			7							3
<=1								4		13				
1					2		2							1
<=2													11	
2								10	1					2
<=8		12												
8						7		3						
<=8						6								
16	4	1												5
32	2												2	
>=64								8						
>128											13			
1024														1
>1024														5



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

Sampling Stage: Farm (not specified)      Sampling Type: animal sample - faeces      Sampling Context: Control and eradication programmes  
 Sampler: Industry sampling      Sampling Strategy: Census      Programme Code: AMR MON pri2  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Carbapenems - Ertapenem	Carbapenems - Imipenem	Carbapenems - Meropenem	Cephalosporins - Cefepime	Cephalosporins - Cefotaxime	Cephalosporins - Cefoxitin	Cephalosporins - Ceftazidime	Cephalosporins + $\beta$ -lactamase inhibitors + Ceftazidime + Clavulanic acid	Cephalosporins + $\beta$ -lactamase inhibitors + Ceftazidime + Clavulanic acid	Penicillins - Temocillin
ESBL genotype	SHV-12	SHV-12	SHV-12	SHV-12	SHV-12	SHV-12	SHV-12	SHV-12	SHV-12	SHV-12
AMPIC genotype	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
CARBA-PEM genotype	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
Cefotaxime synergy test	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present
Ceftazidime synergy test	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present
ECOFF	0.06	1	0.12	0.12	0.5	8	2	0.5	2	32
Lowest limit	0.015	0.12	0.03	0.06	0.25	0.5	0.25	0.06	0.12	0.5
Highest limit	2	16	16	32	64	64	128	64	128	128
N of tested isolates	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	1	1	0	1	0	0	0
MIC										
$\leq 0.015$	1									
$\leq 0.03$			1							
$\leq 0.06$								1		
$\leq 0.12$		1								
0.5				1					1	
2							1			
4										
8					1					1
16										
TOT							1			

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	17	17	17	17	17	17	17	17	17	17	17	17	17	17
N of resistant isolates	15	2	0	1	1	17	0	0	13	0	16	15	11	2
MIC isolates			17											
<=0.25				14			5							9
0.25						1								
<=0.5	1				14									
0.5				2	1		10							5
<=1									4	16				
1	1						2							1
<=2										1				6
2														
4														
<=4				1										
<=8		14												
8														
<=8					1	13		5			1			
16									1					
<=16	11	1												
32	2										2			2
<=32	2													
64													7	
<=64									8				4	
128		2												
<=128											16			
512													1	
>=512														14

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	2	0	0	0	0	2	0	0	2	0	2	2	2	0
MIC isolates		2												
<=0.5				2										2
<=1					2		2			2				
16						2		2						
8														
>=8	1	2												
32	1													
64													1	
>=64								2					1	
>=128											2			
>=1024												2		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates			1											
<=0.03						1								
<=0.25				1	1									1
<=0.5	1				1		1							
<=1									1	1				
<=2													1	
<=4											1			
4								1						
<=8		1												
16												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	0	0	0	1	0	0	0
MIC isolates			1											
<=0.03			1											
<=0.25				1			1							1
0.25					1	1								
<=0.5	1								1	1				
<=1													1	
<=2														
4								1						
<=8		1												
32											1			
104												1		

Table Antimicrobial susceptibility testing of Salmonella - S. Livingstone in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
≤0.03		2												
D.03					1									
≤0.25				2			1							
≤0.5	2				2									2
D.5							1							
≤1									2	2				
≤2													2	
≤4											2			
I4								1						
≤8		2												
I8								1						
≤32														1
I64														1

Table Antimicrobial susceptibility testing of Salmonella - S. Livingstone in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates			1											
<=0.03						1								
<=0.25				1			1							
<=0.5	1				1									
0.5														1
<=1									1	1				
<=2													1	
<=4											1			
4								1						
<=8		1												
<=32														1

Table Antimicrobial susceptibility testing of Salmonella - S. London in Turkey - fattening flocks - before slaughter

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	15	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	21	21	21	21	21	21	21	21	21	21	21	21	21	21
N of resistant isolates	0	21	0	0	0	21	0	0	19	0	0	21	21	18
MIC isolates		21												
<=0.25				21			6							2
0.25						21								
<=0.5	13				21									
0.5							15							1
<=1	8								2	13				
1														
2										8				
4								20						
8								1			2			
16											19			
>=32														18
64		5											11	
>=64									19				10	
128														
>=128														
>=1024														21



Table Antimicrobial susceptibility testing of Salmonella - S. London in Meat from pig - carcass (not specified)

Sampling Stage: Slaughterhouse      Sampling Type: food sample - carcass swabs      Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling      Sampling Strategy: Objective sampling      Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate) (not specified)

Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	4	4	4	4	4	4	4	4	4	4	4	4	4	4
N of resistant isolates	0	3	0	0	0	0	0	0	3	0	0	3	3	3
MIC isolates			4											
<=0.03						4								
<=0.25				3										
<=0.5	4				1									
0.5					1			1						1
<=1										3				
1						3		3						
<=2														1
2									1	1				
<=4											4			
4									1					
<=8		1												
8										3				
<=32														3
64												1		
<=64									3				3	
128		3												
>=1024												3		

Table Antimicrobial susceptibility testing of Salmonella - S. Manchester in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.015			1											
<=0.03				1			1							1
<=0.25	1				1									
<=0.5														
<=2								1		1				1
<=4											1			
<=8		1						1						
<=32												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.015			1											
<=0.25				1										1
<=0.5	1				1									
0.5							1							
<=2													1	
2														
<=4									1	1				
4											1			
<=8			1											
16														1

Table Antimicrobial susceptibility testing of Salmonella - S. Mbandaka in Cattle (bovine animals) - calves (under 1 year) - for slaughter

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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates														
<=0.015						1								
<=0.03			1											
<=0.25				1			1							1
<=0.5					1									
<=1	1								1	1				
<=2		1											1	
<=4											1			
4								1						
<=8			1											
128													1	

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates														
<=0.015						3								
<=0.03			3											
<=0.25				3			1							2
<=0.5	3				3									
0.5							2							1
<=1									3	3				
<=2													3	
<=4											3			
4								1						
<=8			3											
8								2						
16													1	
32													1	
64													1	

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	5	5	5	5	5	5	5	5	5	5	5	5	5	5
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates														
<=0.015						4								
<=0.03			5											
D.03						1								
<=0.25				5			4							1
<=0.5	4				5									
D.5							1							4
<=1									5	5				
I	1													
<=2													5	
<=4											5			
4								1						
<=8		5												
8								4						
16												3		
32													2	

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	0	0	0	1	0	0	0	0	0	1	1	0
MIC isolates			1											
<=0.03			1			1								
<=0.25				1		1	1							1
<=0.5					1									
<=1									1	1				
<=8		1												
0								1			1			
32	1												1	
>1024												1		

Table Antimicrobial susceptibility testing of Salmonella - S. Meleagridis in Cattle (bovine animals) - calves (under 1 year) - for slaughter

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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates			1											
<=0.03						1								
<=0.25				1			1							
<=0.5	1				1									
0.5														1
<=1									1	1				
<=2													1	
<=4											1			
4								1						
<=8			1											
<=32														1



Table Antimicrobial susceptibility testing of Salmonella - S. Menden in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.015			1											
<=0.03				1			1							1
<=0.25	1				1									
<=0.5									1					
<=1													1	
<=2										1				
2														
<=4											1			
<=8		1												
8								1						
16													1	

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						2								
<=0.015			2											
<=0.03				2			1							2
<=0.25	1				2									
<=0.5							1							
<=1	1									2				
1														
<=2													2	
2									2					
<=4											2			
<=8		2												
8								2						
16													1	
64													1	

Table Antimicrobial susceptibility testing of Salmonella - S. Mikawasima in Cattle (bovine animals) - calves (under 1 year) - for slaughter

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) (not specified)

Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.015			1											
<=0.25				1			1							1
<=0.5	1				1									
<=1									1	1				
<=2													1	
<=4											1			
<=8								1						
<=8		1												
104												1		

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

Sampling Stage: Farm (not specified)      Sampling Type: animal sample - faeces      Sampling Context: Control and eradication programmes  
 Sampler: Industry sampling      Sampling Strategy: Census      Programme Code: AMR MON pri2  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Carbapenems - Ertapenem	Carbapenems - Imipenem	Carbapenems - Meropenem	Cephalosporins - Cefepime	Cephalosporins - Cefotaxime	Cephalosporins - Cefoxitin	Cephalosporins - Ceftazidime	Cephalosporins + β lactamase inhibitors + Clavulanic acid	Cephalosporins + β lactamase inhibitors + Ceftazidime + Clavulanic acid	Penicillins - Ticarcillin
ESBL genotype	TEM-1	TEM-1	TEM-1	TEM-1	TEM-1	TEM-1	TEM-1	TEM-1	TEM-1	TEM-1
AMPIC genotype	CMY-2	CMY-2	CMY-2	CMY-2	CMY-2	CMY-2	CMY-2	CMY-2	CMY-2	CMY-2
CARBAPENEM genotype	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
Cefotaxime synergy test	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent
Ceftazidime synergy test	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent
ECOFF	0.06	1	0.12	0.12	0.5	8	2	0.5	2	32
Lowest limit	0.015	0.12	0.03	0.06	0.25	0.5	0.25	0.06	0.12	0.5
Highest limit	2	16	16	32	64	64	128	64	128	128
N of tested isolates	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	1	1	1	1	1	1	0
≤0.015	1									
≤0.03			1							
0.25		1		1						
8										1
16					1			1	1	
32						1	1			

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	0	0	0	1	1	1	0	0	1	0	0	0	0	0
MIC isolates						2								
<=0.015			3											
<=0.25				2			1							3
<=0.5	3				2									
0.5						1	2							
<=1									1	3				
<=2														3
2									1					
<=4											2			
4								1						
<=8		3		1										
8								2						
<=8					1									
16											1			
<=16												2		
64													1	
<=64									1					

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	4	4	4	4	4	4	4	4	4	4	4	4	4	4
N of resistant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						2								
<=0.03		4												
0.03				4		2	2							3
<=0.25					4									
<=0.5	3				4		2							1
0.5									2	3				
<=1	1								2					
1													4	
<=2									2	1				
2											4			
<=4														
4								2						
<=8		4							2					
8													1	
16													2	
32														1
64														

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	15	0.12	0.5	2	0.05	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	41	41	41	41	41	41	41	41	41	41	41	41	41	41
N of resistant isolates	1	0	0	0	0	38	0	0	38	0	0	0	1	0
MIC isolates						3								
<=0.03			38											
D.06		3												
<=0.25				41			30							40
0.25						8								
<=0.5	32				41									
0.5						30	11							1
<=1								3		40				
1	8													
<=2													39	
2									1					
<=4											3			
4														1
<=8		41						18						
8									22		23			
16								1			15	13		
32														27
>=32	1											1		
64									38					1
>=64														

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

Sampling Stage: Farm (not specified)      Sampling Type: animal sample - faeces      Sampling Context: Control and eradication programmes  
 Sampler: Official sampling      Sampling Strategy: Census      Programme Code: AMR MON pri2  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Cephalosporins + Carbapenems +		Cephalosporins + Carbapenems +		Cephalosporins + Carbapenems +		Cephalosporins + Carbapenems +		Cephalosporins + Carbapenems +		Penicillins - Tetracyclins
	Ertapenem	Imipenem	Meropenem	Ceftazidime	Cefotaxime	Cefoxitin	Ceftazidime	Cefotaxime + Clavulanic acid	Cefotaxime + Clavulanic acid	Cefotaxime + Clavulanic acid	
ESBL genotype	TEM-1	TEM-1	TEM-1	TEM-1	TEM-1	TEM-1	TEM-1	TEM-1	TEM-1	TEM-1	TEM-1
AMPIC genotype	CMY-2	CMY-2	CMY-2	CMY-2	CMY-2	CMY-2	CMY-2	CMY-2	CMY-2	CMY-2	CMY-2
CARBAPENEM genotype	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
Cefotaxime synergy test	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent
Ceftazidime synergy test	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent
ECOFF	0.06	1	0.12	0.12	0.12	0.5	8	2	0.5	2	32
Lowest limit	0.015	0.12	0.03	0.06	0.25	0.5	0.25	0.06	0.12	0.5	
Highest limit	2	16	16	32	64	64	128	64	128	128	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	1	1	1	1	1	1	1	0
MIC	1		1								
≤0.015	1		1								
≤0.03											
0.25		1		1							
8											1
16					1			1	1		
32							1				
64								1			



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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	15	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	19	19	19	19	19	19	19	19	19	19	19	19	19	19
N of resistant isolates	0	0	0	1	1	18	0	0	18	0	0	0	0	0
MIC isolates														
<=0.015			19			1								
<=0.03				17			11							15
<=0.25						5								
<=0.5	11				18									
0.5				1		12	7							4
<=1								1		17				
1	7					1	1							18
<=2										2				
2	1													
<=4											1			1
4								9						
>4				1										
>=8		18												
8								9			12			
>=16					1							11		
16		1							1					7
>=32														
32														1
>=64														
64														
>=128														
128														

Table Antimicrobial susceptibility testing of Salmonella - S. Mikawasima in Turkey - fattening flocks - before slaughter

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	6	6	6	6	6	6	6	6	6	6	6	6	6	6
N of resistant isolates	0	0	0	0	0	5	0	1	5	0	0	0	0	0
MIC isolates						1								
<=0.03			6											
<=0.25				6			5							5
[0.25						4								
<=0.5	5				6									
[0.5						1	1							1
<=1	1							1		6				
[1													6	
<=2											1			
[2								1						
<=4														
[4														
<=8		5												
[8								4			3			
<=16			1								2			
[16												6		
<=32														
[32								1	5					
>=64														

Table Antimicrobial susceptibility testing of Salmonella - S. Mikawasima in Turkey - fattening flocks - before slaughter

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	0	1	0	0	0	0	0
MIC isolates			1											
<=0.03			1											
<=0.25				1			1							1
<=0.5	1				1									
[0.5]						1								
<=1									1					
<=2													1	
<=8		1												
16								1				1		
>=64									1					

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates			1											
<=0.03						1								
<=0.25				1			1							1
<=0.5					1									
<=1	1							1	1					
<=2													1	
<=4											1			
<=8		1												
16								1						1

Table Antimicrobial susceptibility testing of Salmonella - S. Montevideo in Cattle (bovine animals) - calves (under 1 year) - for slaughter

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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	0	0	0	0	0	0	0	0	1	0	0	1	1	0
MIC isolates														
<=0.015			3			3								
<=0.03				3			3							3
<=0.25	2				3									
<=0.5									2	3				
1	1													
<=2													2	
<=4											3			
4								3						
<=8		3												
16											2			
>=64									1				1	
>1024												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates			1											
<=0.03						1								
<=0.25				1			1							1
<=0.5	1				1									
<=1								1	1					
<=2													1	
<=4											1			
<=8		1												
8								1						
>=2												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.015			1											
<=0.25				1			1							1
<=0.5	1				1									
<=1									1	1				
<=2													1	
<=4											1			
<=8		1												
8								1						
16												1		

Table Antimicrobial susceptibility testing of Salmonella - S. Montevideo in Turkey - fattening flocks - before slaughter

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates			1											
<=0.03					1									
<=0.25				1			1							1
<=0.5					1									
<=1	1							1	1					
<=2													1	
<=4											1			
<=8		1						1						
16														1
32														



Table Antimicrobial susceptibility testing of Salmonella - S. Muenchen in Cattle (bovine animals) - calves (under 1 year) - for slaughter

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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates			1											
<=0.03						1								
<=0.25				1			1							1
<=0.5	1				1									
<=1								1	1					
<=2													1	
<=4											1			
<=8		1						1						
<=32												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.03		2												
0.03						1								
<=0.25				2			1							1
<=0.5	2				2									
0.5							1							1
<=1								1		2				
<=2									1				2	
2														
<=4											2			
4								1						
<=8		2												
8								1						
<=6												2		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	15	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	0	0	0	0	0	1	0	0	0	0	1	0	0	0
MIC isolates						1								
<=0.03			3											
0.03						1								
<=0.25				3			3							1
0.25						1								
<=0.5		2			3									2
0.5														
<=1								1		3				
1		1												
<=2									2				3	
2											1			
<=4														
4									2					
<=8		3												
8								1			1			
<=32												2		
32													1	
64														
>=128														1

Table Antimicrobial susceptibility testing of Salmonella - S. Muenster in Cattle (bovine animals) - calves (under 1 year) - for slaughter

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) (not specified)

Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.03			1											
<=0.25				1			1							
<=0.5	1				1									
0.5														1
<=1									1	1				
<=2													1	
<=4											1			
4								1						
<=8			1											
64													1	

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	2	0	0	0	0	2	0	0	0
MIC isolates			2											
≤0.03				2			2							
0.25					2	2								
≤0.5	2													
0.5														2
≤1									1	2				
≤2													2	
4								1		1				
≤8		2												
8								1						
32												1		
64												1		
≥128											2			

Table Antimicrobial susceptibility testing of Salmonella - S. Napoli in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates			1											
<=0.03					1									
<=0.25				1			1							1
<=0.5					1									
<=1	1							1	1					
<=2													1	
<=4											1			
<=8		1												
16								1						1

Table Antimicrobial susceptibility testing of Salmonella - S. Ndolo in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.03		1				1								
<=0.25				1										1
<=0.5					1									
0.5							1							
<=1	1							1						
1														
<=2										1			1	
2											1			
<=4														
<=8		1												
8								1						
16													1	

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.015			1											
<=0.03				1			1							1
<=0.25	1				1									
<=0.5								1						
<=1													1	
<=2										1				
2											1			
<=4												1		
<=8		1											1	
16								1						



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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.015			1											
<=0.25				1			1							1
<=0.5	1				1									
<=1									1	1				
<=2													1	
<=4											1			
<=8		1						1						
<=32														1

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						2								
<=0.03			2											
<=0.25				2			2							2
<=0.5	2				2									
<=1								2	2					
<=2													2	
<=4											2			
<=8								2						
<=16		2												1
<=32														1

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						2								
<=0.015			2											
<=0.25				2			2							2
<=0.5	2				2									
<=1								2	2					
<=2													2	
<=4											2			
4								2						
<=8		2												
32													2	

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	0	1	0	1	0	0	0
MIC isolates			1											
<=0.25				1			1							1
0.25						1								
<=0.5	1				1									
<=2									1				1	
2										1				
4								1						
<=8		1												
64												1		
364									1					
>128											1			

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	0	0	0	0	0	0	1	0	0	0	0	0
MIC isolates														
<=0.015						1								
<=0.03			1											
<=0.25				1			1							
<=0.5					1								1	
<=2										1				
2														
4								1						
<=8		1												
8												1		
<=32		1												
64												1		
>=64									1					

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	2	0
MIC isolates														
<=0.015			3			3								
<=0.03				3			1							3
<=0.25	3				3									
<=0.5							2							
<=1								2	3					
<=2													1	
<=4								1						
<=8									2		3			
<=16		3												
<=32								1				3		
>=64													2	

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	9	9	9	9	9	9	9	9	9	9	9	9	9	9
N of resistant isolates	0	0	0	0	0	1	0	0	0	0	1	0	1	0
≤0.015						7								
≤0.03		9												
0.03						1								
0.12						1								
≤0.25				9			5							6
≤0.5	8				9									
0.5							3							3
≥1									8	7				
1	1						1							
≤2									1	2		8		
2														
≤4												8		
4														
≤8		9						7						
8								2						
16												4		
32												5		
64													1	
128											1			

Table Antimicrobial susceptibility testing of Salmonella - S. Ohio in Meat from pig - carcass (not specified)

Sampling Stage: Slaughterhouse      Sampling Type: food sample - carcass swabs      Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling      Sampling Strategy: Objective sampling      Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate) (not specified)

Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	4	4	4	4	4	4	4	4	4	4	4	4	4	4
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	4
MIC isolates			4											
<=0.03						3								
D.06						1								
<=0.25				4										
<=0.5	2			4			3							
D.5									4	4				
<=1														
I	2						1							
<=2													4	
I.4												4		
<=8			4											
I								4						
>=32												1		4
I.4														
128												3		



Table Antimicrobial susceptibility testing of Salmonella - S. Poona in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.015			1											
<=0.03				1			1							
<=0.25	1				1									
<=0.5														1
0.5									1	1				
<=1													1	
<=2														
<=4											1			
<=8		1												
16								1						
32												1		

Table Antimicrobial susceptibility testing of Salmonella - S. Reading in Meat from pig - carcase (not specified)

Sampling Stage: Slaughterhouse      Sampling Type: food sample - carcase swabs      Sampling Context: Monitoring - EFSA specifications  
 Sampler: Official sampling      Sampling Strategy: Objective sampling      Programme Code: AMR MON  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						2								
<=0.03			2											
<=0.25				2	2									2
<=0.5	2				2									
0.5							2							
<=1								2	2					
<=2													2	
<=4											2			
4								2						
<=8			2											
32												2		

Table Antimicrobial susceptibility testing of Salmonella - S. Rissen in Cattle (bovine animals) - calves (under 1 year) - for slaughter

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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	1	0	0	0	0	0	0	1	1	0	1	1	1
MIC isolates			1											
<=0.03						1								
<=0.25				1										
<=0.5	1				1									
0.5							1							
<=4											1			
4														
8								1		1				
>32														1
164		1												
>64									1				1	
>1024												1		

Table Antimicrobial susceptibility testing of Salmonella - S. Rissen in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.015			1											
<=0.03				1			1							
<=0.25	1				1									
<=0.5														
0.5														1
<=1									1	1				
<=2													1	
<=4											1			
4								1						
<=8			1											
32														1

Table Antimicrobial susceptibility testing of Salmonella - S. Rissen in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	1	0
MIC isolates						1								
<=0.03			1											
<=0.25				1										1
<=0.5	1				1									
0.5							1							
<=1									1	1				
<=4											1			
<=8		1												
8								1						
16												1		
64													1	

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	1	0	0	0	0	1	0
MIC isolates						1								
<=0.03			1											
<=0.25				1										1
<=0.5	1				1									
<=1							1			1				
1														
2														
<=4											1			
<=8		1										1		
32													1	
64														1
>64								1						

Table Antimicrobial susceptibility testing of Salmonella - S. Rissen in Meat from pig - carcass (not specified)

Sampling Stage: Slaughterhouse      Sampling Type: food sample - carcass swabs      Sampling Context: Monitoring - EFSA specifications  
 Sampler: Official sampling      Sampling Strategy: Objective sampling      Programme Code: AMR MON  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	17	17	17	17	17	17	17	17	17	17	17	17	17	17
N of resistant isolates	0	1	0	0	0	0	3	2	5	0	0	6	16	6
MIC isolates														
<=0.015						7								
<=0.03			9											
0.03						10								
0.06			8											
<=0.25				14										2
<=0.5			13		17									
0.5				3			5							9
<=1								2		17				
1		4					9							
<=2									8				1	
2											17			
<=4														
4						1	4	2						
<=8		13												
8								11						
16		3										4		
32												2		
>=32														6
64												4	3	
>=64								2	5			4	13	
128												1		
>=128		1												
1024													2	
>=1024													4	

Table Antimicrobial susceptibility testing of Salmonella - S. Sandiego in Meat from pig - carcass (not specified)

Sampling Stage: Slaughterhouse      Sampling Type: food sample - carcass swabs      Sampling Context: Monitoring - EFSa specifications  
 Sampler: Official sampling      Sampling Strategy: Objective sampling      Programme Code: AMR MON  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates			1											
<=0.03						1								
<=0.25				1			1							
<=0.5	1				1									
0.5														1
<=1									1	1				
<=2													1	
<=4											1			
4								1						
<=8			1											
<=32														1



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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.015			1			1								
<=0.03				1			1							
<=0.25					1									
<=0.5														1
<=1									1					
1	1													
<=2										1				1
2											1			
<=4														
<=8		1												
8								1						
16													1	

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	1	0	0	0	0	0	0	1	0	0	1	1	1
MIC isolates														
<=0.03			1			1								
<=0.25				1										
<=0.5	1				1					1				
1							1							
<=4											1			
4								1						
>32														1
384									1				1	
>128		1												
>1024												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	1	0	0	0	0	0	0	1	0	0	1	1	1
MIC isolates														
<=0.03			1			1								
<=0.25				1	1									
<=0.5	1				1					1				
1							1							
<=4											1			
4								1						
>32													1	1
384									1					
>128		1												
>1024												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	3	0	0	0	0	1	0	0	0	0	0	1	0	0
MIC isolates						2								
<=0.015			3											
<=0.03				3			3							2
<=0.25					3									
<=0.5						1								1
<=1								3	3					
<=2													3	
<=4											2			
4								3						
<=8		3												
16											1	2		
>=32	3													
>1024													1	

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	0	0	0	1	0	0	0	0	0	1	0	0
MIC isolates			1											
<=0.03				1										
<=0.25					1									
0.25						1								
<=0.5							1							
0.5								1						1
<=1									1	1				
<=2													1	
4										1				
<=8		1										1		
16														
<=32	1													
>=1024													1	

Table Antimicrobial susceptibility testing of Salmonella - S. Senftenberg in Turkey - fattening flocks - before slaughter

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	2	0	0	0	0	2	0	0	0
MIC isolates			2											
<=0.12						2								
<=0.25				2			1							1
<=0.5	2				2									
<=1							1							1
<=2									2	2				
<=4								2					2	
<=8		2										2		
<=16														
<=128											2			

Table Antimicrobial susceptibility testing of Salmonella - S. Tees in Meat from pig - carcass (not specified)

Sampling Stage: Slaughterhouse      Sampling Type: food sample - carcass swabs      Sampling Context: Monitoring - EFSA specifications  
 Sampler: Official sampling      Sampling Strategy: Objective sampling      Programme Code: AMR MON  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	1	0	0	0	0	0	0	1	0	0	1	0	1
MIC isolates		1												
<=0.03			1			1								
<=0.25							1							
<=0.5	1			1										
0.5					1									
<=1									1					
1						1								
<=2													1	
<=4											1			
8								1						
<=32														1
>=64									1					
>=8		1												
>=1024												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						2								
<=0.03			2											
<=0.25				2			2							
<=0.5	1				2									
0.5														2
<=1									2	2				
<=2														2
2	1													
<=4												2		
<=8			2											
8								2						
64														2



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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						2								
<=0.03			2											
<=0.25				2			2							
<=0.5	2				2									
0.5														2
<=1								2	2					
<=2													2	
<=4											2			
<=8		2												
8								2						
16														1
32														1

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.03			1											
<=0.25				1										1
<=0.5	1				1									
0.5							1							
<=1									1	1				
<=2													1	
<=4											1			
<=8		1												
8								1						
16												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates			1											
<=0.03					1									
<=0.25				1										1
<=0.5					1									
0.5							1							
<=1								1						
1	1													
<=2										1				1
2											1			
<=4												1		
<=8		1												
8								1						
32														1

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates			1											
<=0.03					1									
<=0.25				1										1
<=0.5	1				1									
<=1							1			1				
<=2													1	
<=4											1			
<=8		1												
16								1						1

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.03			1											
<=0.25				1										1
<=0.5	1				1									
0.5							1							
<=1										1				
<=2													1	
2										1				
<=4												1		
4								1						
<=8		1												
32														1

Table Antimicrobial susceptibility testing of Salmonella - S. Typhimurium in Cattle (bovine animals) - calves (under 1 year) - for slaughter

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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	1	1	0	0	0	0	0	0	1	0	0	1	1	0
MIC isolates						2								
<=0.015			2											
<=0.25				2	2		2							
<=0.5	1				2									
0.5														2
<=1									1	1				
<=2													1	
2										1				
<=4											2			
4								2						
<=8	1	1												
32												1		
64									1				1	
128		1												
>1024												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	6	6	6	6	6	6	6	6	6	6	6	6	6	6
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						2								
<=0.03		6												
0.03						4								
<=0.25				6			2							4
<=0.5	5				6									
0.5							4							2
<=1									3		6			
1	1													
<=2													6	
2									3					
<=4											4			
4								5						
<=8		6												
8								1			2			
16												2		
32													4	

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates			1											
<=0.03						1								
<=0.25				1			1							1
<=0.5	1				1									
<=1									1					
<=2													1	
2														
<=4									1			1		
4								1						
<=8			1											
64														1



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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	0	0	0	0	0	0	0	0	1	0	0	1	2	0
MIC isolates			2											
<=0.03						3								
0.03			1											
0.06				3										3
>=0.25														
<=0.5	3				3									
0.5							1							
<=1								1		3				
1							2							
<=2													1	
2								1						
<=4											1			
4								1						
<=8		2										1		
8								2			2		1	
16			1										1	
>=64									1				2	
>=1024												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	6	6	6	6	6	6	6	6	6	6	6	6	6	6
N of resistant isolates	0	1	0	0	0	1	0	0	5	0	1	4	5	0
MIC isolates						3								
<=0.03			5											
0.03						2								
0.06			1											
<=0.25				6			4							5
0.25						1								
<=1	6				6									
0.5							2							1
<=1									1	6				
>=2													1	
<=4											5			
4								4						
<=8		5												
8								2						
32												2		
64													1	
>=64									5					4
>=128		1									1			
>=1024												4		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	1	0	0	0	0	0	0	1	0	0	1	1	0
MIC isolates			1											
<=0.03						1								
<=0.25				1			1							
<=0.5					1									
0.5														1
1	1													
2										1				
8								1			1			
>64									1				1	
1028			1											
>1024													1	

Table Antimicrobial susceptibility testing of Salmonella - S. Typhimurium in Meat from pig - carcass (not specified)

Sampling Stage: Slaughterhouse      Sampling Type: food sample - carcass swabs      Sampling Context: Monitoring - EFSA specifications  
 Sampler: Official sampling      Sampling Strategy: Objective sampling      Programme Code: AMR MON pri2  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Carbapenems -		Cephalosporins -		Cephalosporins -		Cephalosporins -		Cephalosporins +		Penicillins -
	Ertapenem	Imipenem	Mercopenem	Cefepime	Cefotaxime	Cefoxitin	Ceftazidime	Cefotaxime + Clavulanic acid	Ceftriaxone + Clavulanic acid	Tenocillin	
ESBL genotype	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
AMPIC genotype	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
CARBAPENEM genotype	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
Cefotaxime synergy test	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent
Ceftazidime synergy test	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present
ECOFF	0.06	1	0.12	0.12	0.5	8	2	0.5	2	32	
Lowest limit	0.015	0.12	0.03	0.06	0.25	0.5	0.25	0.06	0.12	0.5	
Highest limit	2	16	16	32	64	64	128	64	128	128	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	1	1	0	0	0	0	0	0
MIC											
≤0.015	1										
0.06			1								
0.12								1			
0.25									1		
0.5		1				1					
1					1						
2											
4							1				
8											1

Table Antimicrobial susceptibility testing of Salmonella - S. Typhimurium in Meat from pig - carcass (not specified)

Sampling Stage: Slaughterhouse      Sampling Type: food sample - carcass swabs      Sampling Context: Monitoring - EFSa specifications  
 Sampler: Official sampling      Sampling Strategy: Objective sampling      Programme Code: AMR MON  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	22	22	22	22	22	22	22	22	22	22	22	22	22	22
N of resistant isolates	0	13	0	1	0	6	1	0	22	0	6	20	22	0
MIC isolates														
<=0.015						2								
<=0.03			13											
0.03						11								
0.06			9			3								
<=0.25				16			12							17
0.25						5								
<=1					22									
0.5				5		1	8			22				5
<=1														
1				1			3							
2							1							
<=4												13		
4														
<=8		7												
8														
16														
32		2												
64														5
64												2		3
>64									22					14
>128		13										8		
>1024												20		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	15	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	0	0	0	0	0	0	0	0	3	0	0	3	2	0
MIC isolates														
<=0.015						3								
<=0.03		2												
D.06		1					3							3
<=0.25				3										
<=0.5	3				3									
<=1									3					
<=2													1	
<=4											2			
4								3						
<=8		3												
8											1			
>=64									3				2	
>1024												3		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	1	0	0	1	1	0
MIC isolates						1								
<=0.015			1											
<=0.03				1			1							1
<=0.25	1				1									
<=0.5									1		1			
<=1														
<=4											1			
4								1						
<=8		1												
>64								1					1	
>1024												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	1	1	0	
MIC isolates			1											
<=0.03						1								
<=0.25				1	1									1
<=0.5	1						1							
0.5										1				
<=1														
2														
<=4											1			
4								1						
<=8			1											
<=64													1	
>=1024												1		



Table Antimicrobial susceptibility testing of Salmonella - S. Typhimurium, monophasic in Meat from pig - carcass (not specified)

Sampling Stage: Slaughterhouse      Sampling Type: food sample - carcass swabs      Sampling Context: Monitoring - EFSa specifications  
 Sampler: Official sampling      Sampling Strategy: Objective sampling      Programme Code: AMR MON  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	39	39	39	39	39	39	39	39	39	39	39	39	39	39
N of resistant isolates	1	5	0	0	0	3	0	0	35	0	2	31	36	5
MIC isolates						14								
<=0.03			21											
0.03						16								
0.06			18			6								
<=0.25				36			2							28
<=0.5					38									
0.5				3		3	27							6
>=1									2	27				
1	8				1		10							
>=2								1						3
2									2	12				
>=4												23		
4														
>=8														
8			27											
16													13	
32													1	
														5
>=32														
64														
128														
>=128														
>1024														
														31

Table Antimicrobial susceptibility testing of Salmonella - S. Typhimurium, monophasic in Meat from bovine animals - carcass (not specified)

Sampling Stage: Slaughterhouse      Sampling Type: food sample - carcass swabs      Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling      Sampling Strategy: Objective sampling      Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate) (not specified)

Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	15	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	6	6	6	6	6	6	6	6	6	6	6	6	6	6
N of resistant isolates	0	0	0	0	0	0	0	0	6	0	0	5	5	1
MIC isolates														
<=0.015						3								
<=0.03			1											
0.03						3								
[0.06			5											
<=0.25				6			1							5
<=0.5	6				6									
0.5							5							
<=1										6				
<=2													1	
<=4											5			
4								3						
<=8		6												
8								3			1			
<=32												1		
>32													5	1
<=64									6					
>1024												5		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftriaxime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	7	7	7	7	7	7	7	7	7	7	7	7	7	7
N of resistant isolates	3	0	0	0	0	6	0	0	1	0	6	2	0	0
MIC isolates						1								
<=0.015			7											
<=0.03				7			6							6
<=0.25						6								
[0.25	4				7									
<=0.5							1							1
<=1									5	7				
<=2								1						7
2									1					
<=4											1			
4								4						
<=8		7												
8								2						
<=16	1											3		
16												2		
<=32	2													
32									1					
<=64											6			
64												2		
<=128														
128														
>1024														

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	0	0	0	1	0	0	0
MIC isolates			1											
<=0.25				1			1							1
0.25						1								
<=0.5	1				1									
<=1								1	1					
<=2													1	
4														
<=8		1												
16												1		
>128											1			

Table Antimicrobial susceptibility testing of Salmonella - S. Virchow in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.015			1											
<=0.03				1			1							1
<=0.25					1									
<=0.5									1	1				
1	1													
<=2													1	
<=4											1			
4								1						
<=8			1											
32													1	

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	64	64	16	128	1024	64	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.015			1											
<=0.25				1			1							1
<=0.5	1				1									
<=1								1	1					
<=2													1	
<=4											1			
<=8		1						1						
<=16												1		

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

Sampling Stage: Farm (not specified)      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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.5	2	0.06	1	16	8	2	16	256	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC isolates						1								
<=0.03			1											
<=0.25				1										1
<=0.5	1				1									
0.5							1							
<=1									1	1				
<=2													1	
<=4											1			
4								1						
<=8			1											
16														1

ANTIMICROBIAL RESISTANCE TABLES FOR INDICATOR ESCHERICHIA COLI

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified in Meat from pig - fresh (not specified)

Sampling Stage: Retail  
 Sampling Type: food sample - meat  
 Sampler: Official sampling  
 Sampling Strategy: Objective sampling  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Carbapenems - Ertapenem		Carbapenems - Imipenem		Carbapenems - Meropenem		Cephalosporins - Cefepime		Cephalosporins - Cefotaxime		Cephalosporins - Cefoxitin		Cephalosporins - Ceftazidime		Cephalosporins + $\beta$ lactamase inhibitors - Cefotaxime + Clavulanic acid		Cephalosporins + $\beta$ lactamase inhibitors - Ceftazidime + Clavulanic acid		Penicillins - Temocillin		
ESBL genotype	NOT AVAILABLE		NOT AVAILABLE		NOT AVAILABLE		NOT AVAILABLE		NOT AVAILABLE		NOT AVAILABLE		NOT AVAILABLE		NOT AVAILABLE		NOT AVAILABLE		NOT AVAILABLE		
AMPIC genotype	NOT AVAILABLE		NOT AVAILABLE		NOT AVAILABLE		NOT AVAILABLE		NOT AVAILABLE		NOT AVAILABLE		NOT AVAILABLE		NOT AVAILABLE		NOT AVAILABLE		NOT AVAILABLE		
CARBAPENEM genotype	NOT AVAILABLE		NOT AVAILABLE		NOT AVAILABLE		NOT AVAILABLE		NOT AVAILABLE		NOT AVAILABLE		NOT AVAILABLE		NOT AVAILABLE		NOT AVAILABLE		NOT AVAILABLE		
Ceftazidime synergy test	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	
ECOFF	0.06	0.06	0.5	0.5	0.12	0.12	0.12	0.12	0.25	0.25	8	8	0.5	0.5	0.25	0.25	0.5	0.5	0.5	0.5	
Lowest limit	0.015	0.015	0.12	0.12	0.03	0.03	0.06	0.06	0.25	0.25	0.5	0.5	0.25	0.25	0.06	0.06	0.12	0.12	0.5	0.5	
Highest limit	2	2	16	16	16	16	32	32	64	64	64	64	128	128	64	64	128	128	128	128	
N of tested isolates	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	
MIC	N of resistant isolates																				
<=0.015	3	3	0	0	0	0	34	34	36	36	10	10	33	33	7	7	7	7	0	0	
<=0.03	16	3																			
<=0.03	8				30	3															
<=0.06															18	2					
0.06	6				3																
<=0.12	2		2					2							8	1		16	3		
0.12	2																				
0.25	1		23	2				5										7			
0.5		8		1											3						
1							1								6		2				
2							2								2			2		1	
4							4		1	4					12		4		8	2	
8							5	1	2	9					8		3		4	21	
16							5	1	5	5					10		1		1	3	
32							3			7	2				1						
>=32							2														
64									5	1	3				1						
>64									6		3										



Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified in Meat from pig - fresh (not specified)

Sampling Stage: Retail  
 Sampler: Official sampling  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

Sampling Type: food sample - meat  
 Sampling Strategy: Objective sampling

Sampling Context: Monitoring - EFSA specifications  
 Programme Code: ESBL MON

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.25	0.5	0.06	1	16	8	2	16	64	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	36	36	36	36	36	36	36	36	36	36	36	36	36	36
N of resistant isolates	6	16	0	36	33	29	0	3	36	2	27	25	27	14
≤-0.015			35			7								
≤-0.03			1											
0.06						2								
0.12							25							10
≤-0.25						5								
0.25		14			3									
≤-0.5						1	10							12
0.5										34				
≤-1	15				5		1							
1								3					9	
≤-2	1			4	2	2								
2										7				
≤-4				4	6	2		21		2				
4														
≤-8		20			28								1	
8					8	7		7			1			
≤-8					12	10								
16								2			1	3		
≤-32	2	4											7	
32														
≤-64	4							3					8	14
64		1							35					
≤-64													19	
128		6									3	1		
≤-128												24		
256		5											1	
≤-256														
>1024													23	

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified in Cattle (bovine animals) - calves (under 1 year) - for slaughter

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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.25	0.5	0.06	1	16	8	2	16	64	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	169	169	169	169	169	169	169	169	169	169	169	169	169	169
N of resistant isolates	5	32	0	0	0	5	0	1	37	0	5	67	90	35
≤-0.015						130								
≤-0.03			169											
0.03						33								
0.06						1								
≤-0.25				169			164							123
0.25						2								
≤-0.5	90				169									
0.5						3	4		16	169				11
≤-1														
1	70						1							
≤-2								7					78	
2	4								63					
≤-4											183			
4								38	51					
≤-8		137									35		1	
8								85	2		1			
16	5							38				43	9	
32		4						1				23	5	1
≤-32														34
64		3										1	39	
≤-64									37				37	
128		16									3			
≤-128		9									2			
1024													1	
≤-1024														66

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse      Sampling Type: animal sample - caecum      Sampling Context: Monitoring - EFSA specifications  
 Sampler: Official sampling      Sampling Strategy: Suspect sampling      Programme Code: AMR MON  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.25	0.5	0.06	1	16	8	2	16	64	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	0	1	0	1	1	1	0
≤0.03			1				1							1
≤0.25				1		1								
≤0.5					1									
≤1	1									1				
≤4								1						
≤8		1												
≤64									1				1	
≤128											1			
≤1024												1		

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse      Sampling Type: animal sample - caecum      Sampling Context: Monitoring - EFSA specifications  
 Sampler: Official sampling      Sampling Strategy: Objective sampling      Programme Code: ESBL MON pr12  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Carbapenems - Ertapenem			Carbapenems - Imipenem			Carbapenems - Meropenem			Cephalosporins - Cefepime			Cephalosporins - Cefotaxime			Cephalosporins - Cefoxitin			Cephalosporins - Ceftazidime			Cephalosporins + $\beta$ lactamase inhibitors - Cefotaxime + Clavulanic acid			Cephalosporins + $\beta$ lactamase inhibitors - Ceftazidime + Clavulanic acid			Penicillins - Temocillin			
ESBL genotype	NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			
AMPIC genotype	NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			
CARBAPENEM genotype	NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			
Ceftaxime synergy test	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent			
0.06	0.06	0.06	0.06	0.5	0.5	0.5	0.12	0.12	0.12	0.12	0.12	0.12	0.25	0.25	0.25	8	8	8	0.5	0.5	0.5	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
0.015	0.015	0.015	0.12	0.12	0.12	0.03	0.03	0.03	0.06	0.06	0.06	0.06	0.25	0.25	0.25	0.5	0.5	0.5	0.25	0.25	0.25	0.06	0.06	0.06	0.12	0.12	0.12	0.5	0.5	0.5	
2	2	2	16	16	16	16	16	16	32	32	32	32	64	64	64	64	64	64	128	128	128	64	64	64	128	128	128	128	128	128	
148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	
4	4	4	1	1	1	1	0	0	144	144	144	144	148	148	148	13	13	13	139	139	139	9	9	9	9	9	9	9	9	9	
<=0.015	68	17	1																												
<=0.03							120	19	8																						
0.03	46	2	4																												
<=0.06								1														93	15								
0.06	3		3																												
<=0.12				71	13	6																									
0.12	4										4											27	3			63	7				
0.25				47	6	2			1		2											1				55	11				
0.5				2					3		1																				
1									1													14	9								
2				5	4	1							3	9	3							19	3					1		2	
4				1						14	7		2	2	87	11						34	2		2		4	30	10	2	
8							28	7		2	2		3	21	4							36	3		2		69	8	4		
16							36	1		7	5		7	5	4	1		1			16	2		2		18	1	2			
32										32	7		7								3	1		1					1		
>=32										12																					
64											40	4										3									
>=64												38	1									1									
128																													1		

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse      Sampling Type: animal sample - caecum      Sampling Context: Monitoring - EFSA specifications  
 Sampler: Official sampling      Sampling Strategy: Suspect sampling      Programme Code: ESBL MON pr12  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Carbapenems - Ertapenem		Carbapenems - Imipenem		Carbapenems - Meropenem		Cephalosporins - Cefepime		Cephalosporins - Cefotaxime		Cephalosporins - Cefoxitin		Cephalosporins - Cefazidime		Cephalosporins + $\beta$ lactamase inhibitors - Cefotaxime + Clavulanic acid		Cephalosporins + $\beta$ lactamase inhibitors - Cefazidime + Clavulanic acid		Penicillins - Temocillin	
	genotype	genotype	genotype	genotype	genotype	genotype	genotype	genotype	genotype	genotype	genotype	genotype	genotype	genotype	genotype	genotype	genotype	genotype	genotype	genotype
ESBL	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
AMPC	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
CARBAPENEM	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
genotype	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
Cefotaxime	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent
ECOFF	0.06	0.06	0.5	0.5	0.12	0.12	0.12	0.12	0.25	0.25	8	8	0.5	0.5	0.25	0.25	0.5	0.5	32	32
Lowest limit	0.015	0.015	0.12	0.12	0.03	0.03	0.06	0.06	0.25	0.25	0.5	0.5	0.25	0.25	0.06	0.06	0.12	0.12	0.5	0.5
Highest limit	2	2	16	16	16	16	32	32	64	64	64	64	128	128	64	64	128	128	128	128
N of tested isolates	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
N of resistant isolates	0	0	0	0	0	0	0	4	4	4	4	0	0	4	4	0	0	0	0	0
MIC	1	2			2	2														
$\leq 0.03$	1				2	2														
0.03																				
$\leq 0.06$																				
$\leq 0.12$			2	2																
0.12																				
0.25																				
0.5																				
1																				
4									1	1										1
8											1	1								1
16													2							2
32																				
$\geq 32$									1											
$\geq 64$										1										

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse      Sampling Type: animal sample - caecum      Sampling Context: Monitoring - EFSA specifications  
 Sampler: Official sampling      Sampling Strategy: Objective sampling      Programme Code: ESBL MON  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.25	0.5	0.06	1	16	8	2	16	64	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	148	148	148	148	148	148	148	148	148	148	148	148	148	148
N of resistant isolates	44	79	0	148	130	111	0	17	148	5	93	131	132	114
MIC														
<=0.015						31								
<=0.03			147											
0.03						3								
0.06			1			3								
0.12						3								
<=0.25							135							25
0.25						14								
<=0.5	67				18									
0.5						7	13							9
>=1										143				
1	34				20	6								
<=2								11						15
2	3				3	16	2							
<=4											40			
4					4	27	1				54			1
>=4														
<=8		69											6	
8	2													
<=8						50	21				11			
>=8					17	57		45						
16	12							21				4	9	
<=32	11	4						6			3	2	2	1
32	19													113
64		10							4	1				35
>=64									7	147				95
128		40									6	2		
>=128		25										83		
>1024													129	

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse  
 Sampling Type: animal sample - caecum  
 Sampling Context: Monitoring - EFSA specifications  
 Sampler: Official sampling  
 Sampling Strategy: Suspect sampling  
 Programme Code: ESBL MON  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.25	0.5	0.06	1	16	8	2	16	64	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	4	4	4	4	4	4	4	4	4	4	4	4	4	4
N of resistant isolates	0	3	0	4	4	4	0	1	4	1	4	4	4	3
≤-0.03			4			4								1
≤-0.25					1									
≤-0.5	1													
≤-1										3				
1	3				2									
4				1						1				
≥4					3									
≤-8		1												
8					1	1		1						
≤-8					1	2								
16								2						
32													1	
≥32														3
64	1								1				1	
≥64									4				2	
128		1									1			
≥128		1									3			
>1024												4		

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified in Pigs - fattening pigs (not specified)

Sampling Stage: Slaughterhouse      Sampling Type: animal sample - caecum      Sampling Context: Monitoring - EFSA specifications  
 Sampler: Official sampling      Sampling Strategy: Objective sampling      Programme Code: AMR MON pr12  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Carbapenems - Ertapenem	Carbapenems - Imipenem	Carbapenems - Meropenem	Cephalosporins - Cefepime	Cephalosporins - Cefotaxime	Cephalosporins - Cefoxitin	Cephalosporins - Ceftazidime	Cephalosporins + Inhibitors - Cefotaxime + Clavulanic acid	Cephalosporins + Inhibitors - Cefazidime + Clavulanic acid	Penicillins - Temocillin
ESBL genotype	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
AMPIC genotype	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
CARBAPENEM genotype	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
Ceftazidime synergy test	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present
ECOFF	0.06	0.5	0.12	0.12	0.25	8	0.5	0.25	0.5	32
Lowest limit	0.015	0.12	0.03	0.06	0.25	0.5	0.25	0.06	0.12	0.5
Highest limit	2	16	16	32	64	64	128	64	128	128
N of tested isolates	1	1	1	1	1	1	1	1	1	1
MIC N of resistant isolates	0	0	0	1	1	0	1	0	0	0
<=0.03	1		1							
0.03								1		
<=0.06		1								
0.06									1	
0.25						1	1			
0.5				1						1
1					1					
16							1			
64										1



Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified in Pigs - fattening pigs (not specified)

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) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.25	0.5	0.06	1	16	8	2	16	64	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	170	170	170	170	170	170	170	170	170	170	170	170	170	170
MIC	6	68	0	1	1	84	0	5	140	5	44	129	152	127
<=0.015						71								
<=0.03			170			15								
0.03						7								
0.12					169		167							33
<=0.25						26								
0.25														
<=0.5	82				169		3							10
0.5						34			8	164				
<=1														
1	75					6								
<=2								11						10
2	7								12	1				
<=4											108			
4	1				1	1		43	10	2				3
<=8					1							10		
8		97				4		70		3	16			5
<=8						6								
16		5						41			2	21		1
<=32								5				8		1
32	1	23												
<=64	4								1		4	2	61	127
64		22								139			99	
<=64														
128		11										15		
<=128												25		
1024													1	
>1024														128

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified in Pigs - fattening pigs (not specified)

Sampling Stage: Slaughterhouse  
 Sampling Type: animal sample - caecum  
 Sampling Context: Monitoring - EFSA specifications  
 Sampler: Official sampling  
 Sampling Strategy: Objective sampling  
 Programme Code: ESBL MON pr12  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Carbapenems - Ertapenem			Carbapenems - Imipenem			Carbapenems - Meropenem			Cephalosporins - Cefepime			Cephalosporins - Cefotaxime			Cephalosporins - Cefoxitin			Cephalosporins - Ceftazidime			Cephalosporins + $\beta$ lactamase inhibitors - Cefotaxime + Clavulanic acid			Cephalosporins + $\beta$ lactamase inhibitors - Ceftazidime + Clavulanic acid			Penicillins - Temocillin				
ESBL genotype	NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE				
AMPIC genotype	NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE				
CARBAPENEM genotype	NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE			NOT AVAILABLE				
Ceftaxime synergy test	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent				
Ceftazidime synergy test	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent				
ECCPF	0.06	0.06	0.06	0.5	0.5	0.5	0.12	0.12	0.12	0.12	0.12	0.12	0.25	0.25	0.25	8	8	8	0.5	0.5	0.5	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25			
Lowest limit	0.015	0.015	0.015	0.12	0.12	0.12	0.03	0.03	0.03	0.06	0.06	0.06	0.25	0.25	0.25	0.5	0.5	0.5	0.25	0.25	0.25	0.06	0.06	0.06	0.12	0.12	0.12	0.5	0.5	0.5		
Highest limit	2	2	2	16	16	16	16	16	16	32	32	32	64	64	64	64	64	64	128	128	128	64	64	64	128	128	128	128	128	128		
N of tested isolates	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281		
MIC	6	6	6	0	0	0	0	0	0	274	274	274	274	281	281	281	27	27	27	256	256	256	20	20	20	19	19	19	0	0		
$\leq 0.015$	153	42	1																													
$\leq 0.03$							216	47	16																							
$\leq 0.06$	50	4	8							1			1												194	40						
$\leq 0.06$	12	1	4							1	1																					
$\leq 0.12$				165	37	7																						113	24			
$\leq 0.25$			3							1	4																					
$\leq 0.25$		1	1	49	11	5				5	6																					
$\leq 0.5$				2	5					17	2	5																				
1										17	1						1								39	21		1				
2										18	8	1	5		2	24	8								51	2		2	1			
4										35	18		23	1		143	28								25	2		4	5	61	17	4
8										46	10		15	3	9	43	7								31	1	7	1	8	124	24	11
16										40	7		26	4	5	6	2	1							21	2	2	2	26	2		
32										23	1		30	15			1	1							28	5	1	1	3			
>32										14																						
64														72	17	1		1	8	16									1			
>64														45	8				7													
128																																

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified in Pigs - fattening pigs (not specified)

Sampling Stage: Slaughterhouse  
 Sampling Type: animal sample - caecum  
 Sampling Context: Monitoring - EFSA specifications  
 Sampler: Official sampling  
 Sampling Strategy: Objective sampling  
 Programme Code: ESBL MON  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.25	0.5	0.06	1	16	8	2	16	64	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	281	281	281	281	281	281	281	281	281	281	281	281	281	281
N of resistant isolates	64	132	0	281	252	213	0	31	281	27	169	226	248	213
≤0.015						60								
≤0.03			279											
0.03						7								
0.06			1			1								
0.12			1			2								
≤0.25							256							48
0.25						57								
≤0.5	147				29									
0.5						23	25							19
≤1											253			
1	61				67	3								1
≤2								10					30	
2	9			6	40	2				1				
≤4											82			
4	2			20	26	4		121		23			3	
≤4					254									
≤8		143										31		
8	5			1	41	25		86		4	22			
≤8					79	97								
16	8	6						33			8	10	1	
≤16	15	27						6			1	13	3	2
≤32	34													211
64		26						9	1		4	1	50	
≤64								16	280				194	
128		29									30			
≤128		50									144			
>1024												226		

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified in Meat from bovine animals - fresh (not specified)

Sampling Stage: Slaughterhouse Sampling Type: food sample - meat Sampling Context: Monitoring - EFSA  
 Sampler: Official sampling Sampling Strategy: Objective sampling Specifications  
 Programme Code: ESBL MON pr12  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Carbapenems - Ertapenem	Carbapenems - Imipenem	Carbapenems - Meropenem	Cephalosporins - Cefepime	Cephalosporins - Cefotaxime	Cephalosporins - Cefoxitin	Cephalosporins - Cefazidime	Cephalosporins + Inhibitors - Cefotaxime + Clavulanic acid	Cephalosporins + Inhibitors - Cefazidime + Clavulanic acid	Penicillins - Temocillin
ESBL genotype	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
AMPIC genotype	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
CARBAPENEM genotype	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
Ceftazidime synergy test	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present
ECOFF	0.06	0.5	0.12	0.12	0.25	8	0.5	0.25	0.5	32
Lowest limit	0.015	0.12	0.03	0.06	0.25	0.5	0.25	0.06	0.12	0.5
Highest limit	2	16	16	32	64	64	128	64	128	128
N of tested isolates	1	1	1	1	1	1	1	1	1	1
MIC N of resistant isolates	0	0	0	1	1	0	1	0	0	0
<=0.03	1		1							
0.03								1		
<=0.06									1	
<=0.12		1								
0.25										
1				1		1				1
8					1					
32						1				

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified in Meat from bovine animals - fresh (not specified)

Sampling Stage: Slaughterhouse  
 Sampling Type: food sample - meat  
 Sampling Context: Monitoring - EFSA specifications  
 Sampler: Official sampling  
 Sampling Strategy: Objective sampling  
 Programme Code: ESBL MON  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.25	0.5	0.06	1	16	8	2	16	64	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	1	0	1	1	0	0	0	1	0	0	1	0	1
<=0.015			1			1								
<=0.03							1							
<=0.06														
<=0.12	1													
<=0.25										1				
<=0.5													1	
<=1					1									
<=2													1	
<=4								1						
<=8				1										
<=16									1					1
<=32														
<=64														
<=128		1												
>=1024												1		

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified in Meat from bovine animals - fresh (not specified)

Sampling Stage: Retail  
 Sampling Type: food sample - meat  
 Sampling Context: Monitoring - EFSA specifications  
 Sampler: Official sampling  
 Sampling Strategy: Objective sampling  
 Programme Code: ESBL MON pr12  
 Analytical Method: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Carbapenems - Ertapenem		Carbapenems - Imipenem		Carbapenems - Meropenem		Cephalosporins - Cefepime		Cephalosporins - Cefotaxime		Cephalosporins - Cefoxitin		Cephalosporins - Cefazidime		Cephalosporins + $\beta$ lactamase inhibitors - Cefotaxime + Clavulanic acid		Cephalosporins + $\beta$ lactamase inhibitors - Cefazidime + Clavulanic acid		Penicillins - Temocillin		
	genotype	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
ESBL genotype	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
AMPIC genotype	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
CARBAPENEM genotype	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
Cefotaxime synergy test	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present
ECOFF	0.06	0.06	0.5	0.5	0.12	0.12	0.12	0.12	0.25	0.25	8	8	0.5	0.5	0.25	0.25	0.5	0.5	32	32	32
Lowest limit	0.015	0.015	0.12	0.12	0.03	0.03	0.06	0.06	0.25	0.25	0.5	0.5	0.25	0.25	0.06	0.06	0.12	0.12	0.5	0.5	0.5
Highest limit	2	2	16	16	16	16	32	32	64	64	64	64	128	128	64	64	128	128	128	128	128
N of tested isolates	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
MIC N of resistant isolates	0	0	0	0	0	0	23	23	26	26	8	8	25	25	6	6	6	6	0	0	0
$\leq 0.015$	15	1			24	1															
$\leq 0.03$	9																				
$\leq 0.06$	1				1										13						
$\leq 0.06$	1				1										13						
$\leq 0.12$		3															15				
0.12							3								6	1					
0.25			16	1			2												4	1	
0.5			6				4								1						
1							1							4							
2							3							2							
4							1		1				2						3		1
8							5	1	9			6	1	8					4		13
16							5		1			5		10					1		4
32							1		4	1				1							1
$\geq 32$							1		4	1				1							1
64														5							4
$\geq 64$														4							2

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified in Meat from bovine animals - fresh (not specified)

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: Micromethod dilution (in microtiter plate) (not specified)  
 Country of Origin: Spain

AM substance	Aminoglycosides - Gentamicin	Amphenicols - Chloramphenicol	Carbapenems - Meropenem	Cephalosporins - Cefotaxime	Cephalosporins - Ceftazidime	Fluoroquinolones - Ciprofloxacin	Glycylcyclines - Tigecycline	Macrolides - Azithromycin	Penicillins - Ampicillin	Polymyxins - Colistin	Quinolones - Nalidixic acid	Sulfonamides - Sulfamethoxazole	Tetracyclines - Tetracycline	Trimethoprim
ECOFF	2	16	0.12	0.25	0.5	0.06	1	16	8	2	16	64	8	2
Lowest limit	0.5	8	0.03	0.25	0.5	0.015	0.25	2	1	1	4	8	2	0.25
Highest limit	32	128	16	4	8	8	8	64	64	16	128	1024	64	32
N of tested isolates	26	26	26	26	26	26	26	26	26	26	26	26	26	26
N of resistant isolates	3	7	0	26	25	22	0	2	26	0	19	16	17	11
≤-0.015						4								
≤-0.03			26											
0.12						1								
≤-0.25							15							10
0.25						6								
≤-0.5	11				1									
0.5						1	8							4
≤-1										26				
1	10				4	1	3							1
≤-2								4						8
2	2			1	2	1								
≤-4											4			
4				2				8						1
≤-4														
≤-8		19												3
8					9	5		11			3			
≤-8					10	7								
16	2							1						3
≤-32		1												4
32														
≤-32	1													11
64		2									1			2
≤-64								2	26					10
128														
≤-128											2			
1024											16			
≤-1024												16		

OTHER ANTIMICROBIAL RESISTANCE TABLES