

## Romania

### 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 Romania 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

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# 1 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.

## 1.1.1.1 Salmonella - general evaluation

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

Salmonella have been recognized as important pathogens. Salmonella Enteritidis and Salmonella Typhimurium have accounted for the majority of cases of human Salmonella for many years and have consistently been the most commonly implicated pathogens in general outbreaks of food-borne disease. Salmonella in Gallus gallus breeding flocks. In 2007 in Romania was put in place the National Control Programme of S. Enteritidis, S. Typhimurium, S. Virchow, S. Infantis and S. Hadar in breeder flocks of Gallus gallus. This programme has been approved by the Commission with the Decision 2006/ 876/ EC. In 2008 in Romania the National Programme for Control of S. Enteritidis, S. Typhimurium, S. Virchow, S. Infantis and S. Hadar in breeder flocks of Gallus gallus and National Control Programme for S. Enteritidis and S. Typhimurium in laying hens of Gallus gallus was approved by the Commission with the Decision 782/2007. In 2009 in Romania the National Programme for Control of S. Enteritidis, S. Typhimurium, S. Virchow, S. Infantis and S. Hadar in breeder flocks of Gallus gallus, National Control Programme for S. Enteritidis and S. Typhimurium in laying hens of Gallus gallus and National Control programme for Salmonella Enteritidis and S. Typhimurium was approved by the Commission with the Decision 897/2008. In 2010 the National the National Programme for Control of S. Enteritidis, S. Typhimurium, S. Virchow, S. Infantis and S. Hadar in breeder flocks of Gallus gallus, National Control Programme for S. Enteritidis and S. Typhimurium in laying hens of Gallus gallus, the National Control programme for Salmonella Enteritidis and S. Typhimurium and the National Control Programme for S. Enteritidis and S. Typhimurium in turkeys were approved by the Commission with the Decision 883/2010. Salmonella in geese, ducks, pigs, cattle. There is not a national control programme in place in these animal species.

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

The Romanian National Surveillance Programme published in Romanian Official Journal as Order of the President of the National Sanitary Veterinary and Food Safety Authority no 29/2014 (also the Order was applicable for 2015), yearly updated which is according with the provisions of Regulation 2005/2073/EC. In 2013, 436 strains of Salmonella spp. were isolated, from which: 219 meat from broilers and products thereof, 93 meat from pig and products thereof, 64 meat, mixed meat, 42 meat from turkey and products thereof, 10 cheeses, 6 meat from bovine; 1 meat from sheep and 1 strain egg. In 2014, 207 strains of Salmonella spp. were isolated, in meat from poultry and products thereof, meat from pig and products thereof, meat from other species, meat, mixed meat, cheeses, egg and other food. In 2015, 256 strains of Salmonella spp. were isolated, from which: 141 meat from poultry and products thereof, 72 meat from pig and products thereof, 28 meat, mixed meat, 3 meat from other species, 3 cheeses, 5 strains egg and 4 other food.

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

Comparison of the Salmonella sero-types found in animals, feeding stuffs, food and human helps to suggest possible sources of infection in the food chain.

### Additional information

Salmonella in feeding stuffs: The feeding stuffs for poultry and other animals must be free from Salmonella. The samples of feeding stuffs are sent for testing by the owners of poultry farms. Veterinary Inspection conducts random, regular inspection in feeding stuffs production plants, in particular of microbiological standards, types of internal controls used by the owners of these plants to guarantee the appropriate quality of final product. In addition, it was foreseen that within the National Plan for the official control of animal feedstuffs in the scope of the supervision of Veterinary Inspection which is approved every year, samples are going to be randomly taken from the feedstuffs production plants, holdings and trading and tested for Salmonella. Operators duties in case of detection of inappropriate microbiological quality of product: 1. notifying the District Veterinary Officer on the results of sample testing and the batch of products from which they were taken; 2. secondary processing of contaminated batch, according to an indicated method, under supervision of Veterinary Inspection; 3. increasing the frequency of sampling. In 2013, 27 strains of Salmonella spp. were isolated, from which: 13 feed material of land animal origin, 10 compound feedingstuffs for poultry - laying hens, 6 compound feedingstuffs for pig. In 2014, 22 strains of Salmonella spp. were isolated, from which: 14 feed material of land animal origin, 6 compound feedingstuffs for poultry - laying hens, 2 feed material of cereal grain origin. In 2015, 8 strains of Salmonella spp. were isolated, from which: 4 feed material of land animal origin, 1 compound feedingstuffs for pig and 3 feed material of cereal grain origin.

## 1.1.2.1 Salmonella in food - Meat from bovine animals

### Monitoring system

#### Sampling strategy

##### At slaughterhouse and cutting plant

According to the provisions of the Romanian National Surveillance Program approved by Order of the President of the National Sanitary Veterinary and Food Safety Authority no 29/2014 (also the Order was applicable for 2015) all food industry establishments are classified into 3 categories, based on the risk assessment provided by the official vets acting at regional/county Sanitary Veterinary and Food Safety Directorates level (i.e. category III - high risk, category II - medium risk, and category I - low risk). The samples for monitoring and testing of Salmonella are compulsory taken by the official vets acting at slaughterhouses and cutting plants on the base of risk assessment of establishments, as follows: Samples on bovine carcasses surfaces for testing of Salmonella: - once a month (monthly) at slaughterhouses in category III; - once a quarter (quarterly) at slaughterhouses in category II; - once a semester (twice/year) at slaughterhouses in category I. Samples of bovine meat including fresh meat (muscle tissue) and offal (liver, kidney) for testing of Salmonella: - once a month (monthly) at slaughterhouses in category III; - once a quarter (quarterly) at slaughterhouses in category II; - once a semester (twice/year) at slaughterhouses in category I. Samples of bovine meat for testing of Salmonella: - once a quarter (quarterly) at cutting plants in category III; - once a semester (twice/year) at cutting plants in category II; - once a year (annually) at cutting plants in category I.

##### At meat processing plant

According to the provisions of the Romanian National Surveillance Program approved by Order of the President of the National Sanitary Veterinary and Food Safety Authority no 29/2014 (also the Order was applicable for 2015) the samples for monitoring and testing of Salmonella are compulsory taken by the official vets acting at meat processing plant on the base of risk assessment of establishments, as follows: - Samples of bovine meat products for testing of Salmonella: - once a quarter (quarterly) at meat processing plants in category III; - once a semester (twice/year) at meat processing plants in category II; - once a year (annually) at meat processing plants in category I. Samples of bovine minced meat for testing of Salmonella: - once a quarter (quarterly) at meat processing plants in category III; - once a semester (twice/year) at meat processing plants in category II; - once a year (annually) at meat processing plants in category I. Samples of bovine meat preparation for testing of Salmonella: - once a quarter (quarterly) at meat processing plants in category III; - once a semester (twice/year) at meat processing plants in category II; - once a year (annually) at meat processing plants in category I. According to the provisions of the Regulation 2005/2073/EC, with subsequent amendments and completions, the food business operators of establishments producing minced meat, meat preparations or mechanically separated meat shall take samples for microbiological analysis at least once a week. The day of sampling shall be changed each week to ensure that each day of the week is covered. In the case of sampling for Salmonella analyses of minced meat, meat preparations and carcasses, the frequency may be reduced to fortnightly if satisfactory results have been obtained for 30 consecutive weeks.

##### At retail

According to the provisions of the Romanian National Surveillance Program approved by Order of the President of the National Sanitary Veterinary and Food Safety Authority no 29/2014 (also the Order was applicable for 2015) the samples for monitoring and testing of Salmonella are compulsory taken by the official vets annually and in case of consumer complaints, suspicions or food borne outbreaks.

#### Frequency of the sampling

##### At slaughterhouse and cutting plant

The samples for monitoring and testing of Salmonella are compulsory taken by the official vets acting at slaughterhouses and cutting plants on the base of risk assessment of establishments, as follows: Samples on bovine carcasses surfaces for testing of Salmonella: - once a month (monthly) at slaughterhouses in category III; - once a quarter (quarterly) at slaughterhouses in category II; - once a semester (twice/year) at slaughterhouses in category I. Samples of bovine meat including fresh meat (muscle tissue) and offal (liver, kidney) for testing of Salmonella: - once a month (monthly) at slaughterhouses in category III; - once a quarter (quarterly) at slaughterhouses in category II; - once a semester (twice/year) at slaughterhouses in category I. Samples of bovine meat for testing of Salmonella: - once a quarter (quarterly) at cutting plants in category III; - once a semester (twice/year) at cutting plants in category II; - once a year (annually) at cutting plants in category I.

At meat processing plant

The samples for monitoring and testing of Salmonella are compulsory taken by the official vets acting at meat processing plant on the base of risk assessment of establishments, as follows: -Samples of bovine meat products for testing of Salmonella:  
- once a quarter (quarterly) at meat processing plants in category III; - once a semester (twice/year) at meat processing plants in category II; - once a year (annually) at meat processing plants in category I. Samples of bovine minced meat for testing of Salmonella:  
- once a quarter (quarterly) at meat processing plants in category III; - once a semester (twice/year) at meat processing plants in category II; - once a year (annually) at meat processing plants in category I; Samples of bovine meat preparation for testing of Salmonella:  
- once a quarter (quarterly) at meat processing plants in category III; - once a semester (twice/year) at meat processing plants in category II; - once a year (annually) at meat processing plants in category I.

At retail

Annually and in case of consumer complaints, suspicions or food borne outbreaks.

## Type of specimen taken

At slaughterhouse and cutting plant

Surface of carcass, fresh meat (muscle tissue), offal (liver, kidney).

At meat processing plant

Meat products, meat preparation, minced meat

At retail

Raw material (fresh meat) and finish products (meat products, meat preparations, minced meat)

## Methods of sampling (description of sampling techniques)

At slaughterhouse and cutting plant

According to the provisions of the Regulation 2005/2073/EC, with subsequent amendments and completions, five bovine carcasses shall be sampled at random during each sampling session. Sample sites must be selected taking into account the slaughter technology used in each plant. The sampling for Salmonella analyses is performed using an abrasive sponge sampling method. Areas most likely to be contaminated shall be selected. The total sampling area shall cover a minimum of 400 cm<sup>2</sup>. For bovine meat including fresh meat (muscle tissue) and offal (liver, kidney) at slaughterhouse level and for bovine meat at cutting plant level the final sample it is obtained in the lab and consists of 25 grams of each product.

At meat processing plant

There are 2 situations: -for the matrix which are found in Regulation 2005/2073 a sample consists of 5 pooled samples; -for the matrix which are not found in Regulation 2005/2073, but are mentioned in The National Surveillance Program Order, a tested unit consists of 1 sample.

At retail

According to the provision of Regulation 2073/2005/EC, in the framework of National Surveillance Program and of food business operators own control program.

## Definition of positive finding

At slaughterhouse and cutting plant

Bovine meat and products thereof are considered to be positive when *Salmonella* spp. is isolated.

At meat processing plant

Bovine meat and products thereof are considered to be positive when *Salmonella* spp. is isolated.

At retail

Bovine meat and products thereof are considered to be positive when *Salmonella* spp. is isolated.

## Diagnostic/analytical methods used

At slaughterhouse and cutting plant

Micribiological method: EN ISO 6579

At meat processing plant

Micribiological method: EN ISO 6579

At retail

Micribiological method: EN ISO 6579

## Control program/mechanisms

### The control program/strategies in place

The Romanian Surveillance Program is a national program, published in Romanian Official Journal as Order of the President of the National Sanitary Veterinary and Food Safety Authority no 29/2014 (also the Order was applicable for 2015) yearly updated and the susceptibility testing of *Salmonella* is a part of the program.

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

A positive laboratory finding of *Salmonella* spp. it is followed by a notification to RASFF to all levels (central, regional and local). Then all the food chain it is controlled in order to identify the source of contamination. The contaminated batches of bovine meat are traced back and detent under restrictions, until the results of *Salmonella* serotyping is communicated and depending on the serotype of *Salmonella* the different measures are applied. If the sample of bovine meat is found positive for *Salmonella* Enteritidis and/or *Salmonella* Typhimurium the whole batch of bovine meat is declared unfitted for human consumption and are denaturated. If the sample of bovine meat is found positive for *Salmonella* spp., other than *Salmonella* Enteritidis and *Salmonella* Typhimurium, the bovine meat will admitted for human consumption only if it is undergone to an adequate heat treatment, under veterinary surveillance and if the results of the microbiological analysis of the heat treated bovine meat is found negative for *Salmonella* spp. If the sample of bovine meat products is found positive for *Salmonella* spp., the whole batch of bovine meat products are declared unfitted for human consumption and are denaturated.

## Notification system in place

Laboratory has to notify the positive result to the regional and central authority and the regional authority will notify the food business operator.

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

Bovine meat is not considered to be an important source of human cases in Romania.

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



## Monitoring system

### Sampling strategy

#### At slaughterhouse and cutting plant

According to the provisions of the Romanian National Surveillance Program approved by Order 29/2014 (also the Order was applicable for 2015) all food industry establishments are classified into 3 categories, based on the risk assessment provided by the official vets acting at regional/county Sanitary Veterinary and Food Safety Directorates level (i.e. category III - high risk, category II - medium risk, and category I - low risk). The samples for monitoring and testing of Salmonella are compulsory taken by the official vets acting at slaughterhouses and cutting plants on the base of risk assessment of establishments, as follows: Samples on broiler carcasses surfaces for testing of Salmonella: - once a month (monthly) at slaughterhouses in category III; - once a quarter (quarterly) at slaughterhouses in category II; - once a semester (twice/year) at slaughterhouses in category I. Samples of whole broiler carcasses for testing of Salmonella: - once a month (monthly) at slaughterhouses in category III, II and I. Samples of broiler meat for Salmonella testing: - once a quarter (quarterly) at cutting plants in category III; - once a semester (twice/year) at cutting plants in category II; - once a year (annually) at cutting plants in category I.

#### At meat processing plant

According to the provisions of the Romanian National Surveillance Program approved by Order 29/2014 (also the Order was applicable for 2015) the samples for monitoring and testing of Salmonella are compulsory taken by the official vets of the meat processing plant on the base of risk assessment of establishments, as follows: Samples of broiler meat products for Salmonella testing: - once a quarter (quarterly) at meat processing plants in category III; - once a semester (twice/year) at meat processing plants in category II; - once a year (annually) at meat processing plants in category I. Samples of broiler minced meat for Salmonella testing: - once a quarter (quarterly) at meat processing plants in category III; - once a semester (twice/year) at meat processing plants in category II; - once a year (annually) at meat processing plants in category I. Samples of broiler meat preparation for Salmonella testing: - once a quarter (quarterly) at meat processing plants in category III; - once a semester (twice/year) at meat processing plants in category II; - once a year (annually) at meat processing plants in category I. According to the provisions of the Regulation 2005/2073/EC, with subsequent amendments and completions, the food business operators of establishments producing minced meat, meat preparations or mechanically separated meat shall take samples for microbiological analysis at least once a week. In view to ensure that each day of the week is covered the day of sampling shall be changed each week. In the case of sampling for Salmonella analyses of minced meat, meat preparations and carcasses, the frequency may be reduced to fortnightly if satisfactory results have been obtained for 30 consecutive weeks.

#### At retail

According to the provisions of the Romanian National Surveillance Program approved by Order 29/2014 (also the Order was applicable for 2015) the samples for monitoring and testing of Salmonella are compulsory taken by the official vets annually and in case of consumer complaints, suspicions or food borne outbreaks.

### Frequency of the sampling

#### At slaughterhouse and cutting plant

The samples for monitoring and testing of Salmonella are compulsory taken by the official vets acting at slaughterhouses and cutting plants on the base of risk assessment of establishments, as follows: Samples on broiler carcasses surfaces for Salmonella testing: - once a month (monthly) at slaughterhouses in category III; - once a quarter (quarterly) at slaughterhouses in category II; - once a semester (twice/year) at slaughterhouses in category I. Samples of whole broiler carcasses for Salmonella testing: - once a month (monthly) at slaughterhouses in category III, II and I, in the framework of the Romanian national monitoring program for Salmonella in broilers at slaughterhouse level. Samples of broiler meat for testing Salmonella: - once a quarter (quarterly) at cutting plants in category III; - once a semester (twice/year) at cutting plants in category II; - once a year (annually) at cutting plants in category I.

#### At meat processing plant

The samples for monitoring and testing of Salmonella are compulsory taken by the official vets acting at meat processing plant on the base of risk assessment of establishments, as follows: -Samples of broiler meat products for Salmonella testing: -  
- once a quarter (quarterly) at meat processing plants in category III; - once a semester (twice/year) at meat processing plants in category II;  
- once a year (annually) at meat processing plants in category I. Samples of broiler minced meat and mechanically separated meat (MSM) derived from broilers for Salmonella testing: - once a quarter (quarterly) at meat processing plants in category III;  
- once a semester (twice/year) at meat processing plants in category II;  
- once a year (annually) at meat processing plants in category I. Samples of broiler meat preparation for Salmonella testing: - once a quarter (quarterly) at meat processing plants in category III;  
- once a semester (twice/year) at meat processing plants in category II;  
- once a year (annually) at meat processing plants in category I.

At retail

Annually and in case of consumer complaints, suspicions or food borne outbreaks.

## Type of specimen taken

At slaughterhouse and cutting plant

Surface of broiler carcasses, whole broiler carcasses, fresh meat including muscle tissue.

At meat processing plant

Meat products, meat preparation, minced meat, mechanically separated meat (MSM).

At retail

Raw material (fresh meat) and finish products (meat products, meat preparations, minced meat).

## Methods of sampling (description of sampling techniques)

At slaughterhouse and cutting plant

According to the provisions of Regulation 2005/2073/EC, with subsequent amendments and completions, for the Salmonella analyzes, a minimum of 15 carcass were sampled at random during each sampling session and after chilling. A piece of approximately 10 g from neck skin was obtained from each carcass. On each occasion the neck skin samples from three carcasses were pooled before examination in order to form 5x25 g final samples. For broiler meat including fresh meat (muscle tissue) at slaughterhouse level and for broiler at cutting plant level the final sample it is prepared in the lab and consists of at least 25 grams of each product.

At meat processing plant

There are 2 situations: -for the matrix which are found in Regulation 2005/2073 a sample consists of 5 pooled sample; -for the matrix which are not found in Regulation 2005/2073, but are mentioned in The National Surveillance Program, a tested unit consists of 1 sample.

At retail

According to the provision of Regulation 2073/2005/EC, in the framework of National Surveillance Program and of food business operators own check programs.

## Definition of positive finding

At slaughterhouse and cutting plant

Broiler meat and products thereof are considered to be positive when Salmonella spp. is isolated.

At meat processing plant

Broiler meat and products thereof are considered to be positive when Salmonella spp. is isolated.

At retail

Broiler meat and products thereof are considered to be positive when Salmonella spp. is isolated.

## Diagnostic/analytical methods used

At slaughterhouse and cutting plant

Microbiological method: EN ISO 6579

At meat processing plant

Microbiological method: EN ISO 6579

At retail

Microbiological method: EN ISO 6579

## Control program/mechanisms

### The control program/strategies in place

The Romanian Surveillance Program is a national program, published in Romanian Official Journal as Order of the President of the National Sanitary Veterinary and Food Safety Authority no 29/2014 (also the Order was applicable for 2015). yearly updated and the susceptibility testing of Salmonella is a part of the program.

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

A positive laboratory finding of Salmonella spp. it is followed by a notification to RASFF to all levels (central, regional and local). Then all the food chain it is controlled in order to identify the source of contamination. The contaminated batches of broiler meat are traced back and detent under restrictions, until the results of Salmonella serotyping is communicated and depending on the serotype of Salmonella the different measures are applied. If the sample of broiler meat is found positive for Salmonella Enteritidis and/or Salmonella Typhimurium the whole batch of broiler meat is declared unfitted for human consumption and are denaturated. If the sample of broiler meat is found positive for Salmonella spp., other than Salmonella Enteritidis and Salmonella Typhimurium, the broiler meat will admitted for human consumption only if it is undergone to an adequate heat treatment, under veterinary surveillance and if the results of the microbiological analysis of the heat treated broiler meat is found negative for Salmonella spp. If the sample of broiler meat products is found positive for Salmonella spp. the whole batch of broiler meat products are declared unfitted for human consumption and are denaturated.

### Notification system in place

Laboratories have to notify the positive results to the regional and central authority and the regional authority will notify the food business operator.

### 1.1.2.3 Salmonella in food - Meat from pig

#### Monitoring system

#### Sampling strategy

#### At slaughterhouse and cutting plant

According to the provisions of the Romanian National Surveillance Program approved by National Sanitary Veterinary and Food Safety Authority President Order no 29/2014 (also the Order was applicable for 2015) all food industry establishments are classified into 3 categories, based on the risk assessment provided by the official vets acting at regional/county Sanitary Veterinary and Food Safety Directorates level (i.e. category III - high risk, category II - medium risk, and category I - low risk). According to the provisions of the the Romanian National Surveillance (Order 29/2014) the samples for monitoring and testing of Salmonella are compulsory taken by the official vets acting at slaughterhouses and cutting plants on the base of risk assessment of establishments, as follows: Samples on pig carcasses surfaces for testing of Salmonella at slaughterhouses : - once a month (monthly) at slaughterhouses in category III; - once a quarter (quarterly) at slaughterhouses in category II; - once a semester (twice/year) at slaughterhouses in category I; Samples of pig meat including fresh meat (muscle tissue) and offal (liver, kidney) for testing of Salmonella at slaughterhouses : - once a month (monthly) at slaughterhouses in category III; - once a quarter (quarterly) at slaughterhouses in category II; - once a semester (twice/year) at slaughterhouses in category I. Samples of pig meat for testing of Salmonella at cutting plants : - once a quarter (quarterly) at cutting plants in category III; - once a semester (twice/year) at cutting plants in category II; - once a year (annually) at cutting plants in category I.

#### At meat processing plant

According to the provisions of the Romanian National Surveillance Program approved by National Sanitary Veterinary and Food Safety Authority President Order no 29/2014 (also the Order was applicable for 2015) the samples for monitoring and testing of Salmonella are compulsory taken by the official vets acting at meat processing plants, on the base of risk assessment of establishments, as follows: Samples of pig meat products for testing of Salmonella: - once a quarter (quarterly) at meat processing plants in category III; - once a semester (twice/year) at meat processing plants in category II; - once a year (annually) at meat processing plants in category I. Samples of pig minced meat for testing of Salmonella: - once a quarter (quarterly) at meat processing plants in category III; - once a semester (twice/year) at meat processing plants in category II; - once a year (annually) at meat processing plants in category I. Samples of pig meat preparation for testing of Salmonella: - once a quarter (quarterly) at meat processing plants in category III; - once a semester (twice/year) at meat processing plants in category II; - once a year (annually) at meat processing plants in category I. According to the provisions of the Regulation 2005/2073/EC, with subsequent amendments and completions, the food business operators of establishments producing minced meat, meat preparations or mechanically separated meat shall take samples for microbiological analysis at least once a week. The day of sampling shall be changed each week to ensure that each day of the week is covered. In the case of sampling for Salmonella analyses of minced meat, meat preparations and carcasses, the frequency may be reduced to fortnightly if satisfactory results have been obtained for 30 consecutive weeks.

#### At retail

According to the provisions of the Romanian National Surveillance Program approved by National Sanitary Veterinary and Food Safety Authority President Order no 29/2014 (also the Order was applicable for 2015) the samples for monitoring and testing of Salmonella are compulsory taken by the official vets annually and in case of consumer complaints, suspicions or food borne outbreaks.

### Frequency of the sampling

#### At slaughterhouse and cutting plant

The samples for monitoring and testing of Salmonella are compulsory taken by the official vets acting at slaughterhouses and cutting plants on the base of risk assessment of establishments, as follows: Samples on pig carcasses surfaces for testing of Salmonella: - once a month (monthly) at slaughterhouses in category III; - once a quarter (quarterly) at slaughterhouses in category II; - once a semester (twice/year) at slaughterhouses in category I; Samples of pig meat including fresh meat (muscle tissue) and offal (liver, kidney) for testing of Salmonella: - once a month (monthly) at slaughterhouses in category III; - once a quarter (quarterly) at slaughterhouses in category II; - once a semester (twice/year) at slaughterhouses in category I. Samples of pig meat for testing of Salmonella: - once a quarter (quarterly) at cutting plants in category III; - once a semester (twice/year) at cutting plants in category II; - once a year (annually) at cutting plants in category I.

#### At meat processing plant

The samples for monitoring and testing of Salmonella are compulsory taken by the official vets acting at meat processing plants, on the base of risk assessment of establishments, as follows: - samples of pig meat products for testing of Salmonella: Samples of pig meat products for testing of Salmonella: once a quarter (quarterly) at meat processing plants in category III; once a semester (twice/year) at meat processing plants in category II; once a year (annually) at meat processing plants in category I. Samples of pig minced meat for testing of Salmonella: once a quarter (quarterly) at meat processing plants in category III; once a semester (twice/year) at meat processing plants in category II; once a year (annually) at meat processing plants in category I. Samples of pig meat preparation for testing of Salmonella: once a quarter (quarterly) at meat processing plants in category III; once a semester (twice/year) at meat processing plants in category II; once a year (annually) at meat processing plants in category I.

At retail

Annually and in case of consumer complaints, suspicions or food borne outbreaks.

## Type of specimen taken

At slaughterhouse and cutting plant

Surface of carcass, fresh meat including muscle tissue and offal (liver, kidney)

At meat processing plant

Meat products, meat preparation, minced meat

At retail

Raw material (fresh meat) and finish products (meat products, meat preparations, minced meat)

## Methods of sampling (description of sampling techniques)

At slaughterhouse and cutting plant

According to the provisions of the Regulation 2005/2073/EC, with subsequent amendments and completions, five pig carcasses shall be sampled at random during each sampling session. Sample sites must be selected taking into account the slaughter technology used in each plant. The sampling for Salmonella analyses is performed using an abrasive sponge sampling method. Areas most likely to be contaminated shall be selected. The total sampling area shall cover a minimum of 400 cm<sup>2</sup>. For pig meat including fresh meat (muscle tissue) and offal (liver, kidney) at slaughterhouse level and for pig meat at cutting plant level the final sample it is obtained in the lab and consists of at least 25 grams of each product.

At meat processing plant

There are 2 situations: -for the matrix which are found in Regulation 2005/2073 a sample consists of 5 pooled samples were taken; - for the matrix which were not found in Regulation 2005/2073, but are mentioned in The National Surveillance Program no 29/2014, a sample consists of 1 unit.

At retail

According to the provision of Regulation 2073/2005/EC, in the framework of National Surveillance Programme and of food bussiness operators own control programmes.

## Definition of positive finding

At slaughterhouse and cutting plant

Pig meat and products thereof are considered to be positive when Salmonella spp. is isolated

At meat processing plant

Pig meat and products thereof are considered to be positive when Salmonella spp. is isolated

At retail

Pig meat and products thereof are considered to be positive when Salmonella spp. is isolated

## Diagnostic/analytical methods used

At slaughterhouse and cutting plant

Microbiological method: EN ISO 6579

At meat processing plant

Microbiological method: EN ISO 6579

At retail

Microbiological method: EN ISO 6579

## Control program/mechanisms

### The control program/strategies in place

The Romanian Surveillance Program is a national program, published in Romanian Official Journal as Order of the President of the National Sanitary Veterinary and Food Safety Authority no 29/2014 (also the Order was applicable for 2015) yearly updated and the susceptibility testing of Salmonella is a part of the program.

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

A positive laboratory finding of Salmonella spp. is followed by a notification by RASFF to all levels (central, regional and local). Then all the food chain it is controlled in order to identify the source of contamination. The contaminated batches of pig meat are traced back and detent under restrictions, until the results of Salmonella serotyping is communicate and depending on the serotype of Salmonella the different measures are applied. If the sample of pig meat was found positive for Salmonella Enteritidis and/or Salmonella Typhimurium then the whole batch of pig meat is declared unfitted for human consumption and is denaturated. If a sample of pig meat is found positive for Salmonella spp., other than Salmonella Enteritidis and Salmonella Typhimurium, the pig meat can be admitted for human consumption only if it is undergone to an adequate heat treatment, under veterinary surveillance and if the results of microbiological analysis of the pig meat heat treated are found negative for Salmonella spp. If a sample of pig meat products is found positive for Salmonella spp. the whole batch of pig meat products are declared unfitted for human consumption and is denaturated.

## Notification system in place

The laboratory has to notify the positive result to the regional and central authority and the regional authority will notify the food business operator.

### 1.1.2.4 Salmonella in food - Meat from turkey

## Monitoring system

### Sampling strategy

At slaughterhouse and cutting plant

According to the provisions of the Romanian National Surveillance Program approved by National Sanitary Veterinary and Food Safety Authority President Order no 29/2014 (also the Order was applicable for 2015), the samples for monitoring and testing of Salmonella are compulsory taken by the official vets acting at slaughterhouses and cutting plants as follows: - samples on turkey carcasses surfaces for testing of Salmonella - once a month (monthly) at slaughterhouse;- samples of turkey meat including fresh meat (muscle tissue) and offal (liver) for testing of Salmonella - once a month (monthly) at slaughterhouse;-samples of turkey meat for testing of Salmonella - once a quarter (trimester) at cutting plant.

#### At meat processing plant

According to the provisions of the Romanian National Surveillance Program approved by National Sanitary Veterinary and Food Safety Authority President Order no 29/2014 (also the Order was applicable for 2015), the samples for monitoring and testing of Salmonella are compulsory taken by the official vets acting at meat processing plant as follows: - samples of meat products for testing of Salmonella - once a quarter (trimester) at meat processing plant;- samples of turkey minced meat for testing of Salmonella - once a quarter (trimester) at meat processing plant;-samples of turkey meat preparation for testing of Salmonella - once a quarter (trimester) at meat processing plant. According to the provisions of the Regulation 2005/2073/EC, with subsequent amendments and completions, the food business operators of establishments producing minced meat, meat preparations or mechanically separated meat shall take samples for microbiological analysis at least once a week. The day of sampling shall be changed each week to ensure that each day of the week is covered. In the case of sampling for Salmonella analyzes of minced meat, meat preparations and carcasses, the frequency may be reduced to fortnightly if satisfactory results have been obtained for 30 consecutive weeks.

#### At retail

According to the provisions of the Romanian National Surveillance Program approved by National Sanitary Veterinary and Food Safety Authority President Order no 29/2014 (also the Order was applicable for 2015) the samples for monitoring and testing of Salmonella are compulsory taken by the official vets annually and in case of consumer complaints, suspicions or food borne outbreaks.

### Frequency of the sampling

#### At slaughterhouse and cutting plant

Samples of turkey carcasses surfaces - once a month at slaughterhouse; Samples of turkey meat including fresh meat (muscle tissue) and offal (liver) - once a month at slaughterhouse; Samples of turkey meat - once a quarter at cutting plant.

#### At meat processing plant

Samples of meat products, minced meat and meat preparation - once a quarter.

#### At retail

Annually and in case of consumer complaints, suspicions or food borne outbreaks.

### Type of specimen taken

#### At slaughterhouse and cutting plant

Surface of carcass, fresh meat including muscle tissue and offal (liver).

#### At meat processing plant

Meat products, meat preparation, minced meat, mechanically separated meat (MSM).

#### At retail

Raw material (fresh meat) and finish products (meat products, meat preparations, minced meat).

## Methods of sampling (description of sampling techniques)

### At slaughterhouse and cutting plant

According to the provisions of Regulation 2005/2073/EC, with subsequent amendments and completions, for the Salmonella analysis, a minimum of 15 carcasses were randomly sampled during each sampling session and after chilling. A piece of approximately 10 g from neck skin was obtained from each carcass. On each occasion the neck skin samples from three carcasses were pooled before examination in order to form 5 x 25 g final samples. For turkey meat including fresh meat (muscle tissue) and offal (liver) at slaughterhouse level and for turkey meat at cutting plant level the final sample it is obtained in the lab and consists of at least 25 grams of each product.

### At meat processing plant

There are 2 situations:-for the matrix which are found in Regulation 2005/2073 a sample consists of 5 pooled samples; -for the matrix which were not found in Regulation 2005/2073, but are found in The National Surveillance Program, a sample consists of 1 unit.

### At retail

According to the provision of Regulation 2073/2005/EC, in the framework of National Surveillance Program and of food business operators own control programs.

## Definition of positive finding

### At slaughterhouse and cutting plant

Turkey meat and products thereof are considered to be positive when Salmonella spp. is isolated.

### At meat processing plant

Turkey meat and products thereof are considered to be positive when Salmonella spp. is isolated.

### At retail

Turkey meat and products thereof are considered to be positive when Salmonella spp. is isolated.

## Diagnostic/analytical methods used

### At slaughterhouse and cutting plant

Microbiological method: EN ISO 6579

### At meat processing plant

Microbiological method: EN ISO 6579

### At retail

Microbiological method: EN ISO 6579

## Control program/mechanisms



## The control program/strategies in place

The Romanian Surveillance Program is a national program, published in Romanian Official Journal as Order of the President of the National Sanitary Veterinary and Food Safety Authority no 29/2014(also the Order was applicable for 2015), yearly updated and the susceptibility testing of Salmonella is a part of the program.

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

A positive laboratory finding of Salmonella spp. it is followed by a notification to RASFF to all levels (central, regional and local). Then all the food chain it is controlled in order to identify the source of contamination. The contaminated batches of turkey meat are traced back and detent under restrictions, until the results of Salmonella serotyping is communicated and depending on trhe seotype of Salmonella the different measures are applied. If the sample of turkey meat is found positive for Salmonella Enteritidis and/or Salmonella Typhimurium the whole batch of turkey meat is declared unfitted for human consumption and are denaturated.If the sample of turkey meat is found positive for Salmonella spp., other than Salmonella Enteritidis and Salmonella Typhimurium, the turkey meat will admitted for human consumption only if it is undergone to an adequate heat treatment, under veterinary surveillance and if the results of the microbiological analysis of the heat treated turkey meat is found negative for Salmonella spp.If the sample of turkey meat products is found positive for Salmonella spp. the whole batch of turkey meat products are declared unfitted for human consumption and are denaturated.

## Notification system in place

Laboratories have to notify the positive results to the regional and central authority and the regional authority will notify the food business operator.

### 1.1.2.5 Salmonella in food - Eggs

## Monitoring system

### Sampling strategy

According to the provisions of the Romanian National Surveillance Program approved by Order of the President of the National Sanitary Veterinary and Food Safety Authority no 29/2014 (also the Order was applicable for 2015), the samples for monitoring and testing of Salmonella are compulsory taken by the official vets in the egg establishments as follows: - samples of eggs for testing of Salmonella - once a quarter (trimester) at egg packing center (EPC); samples of eggs and finish products for testing of Salmonella - once a quarter (trimester) at the establishments producing liquid egg; samples of eggs and finish products for testing of Salmonella - once a quarter (trimester) at the egg processing establishments.

### Frequency of the sampling

Eggs at egg packing centres (foodstuff based approach)

Every 3 months

Eggs at retail

Once a year and in case of consumer complaints, suspicions or food borne outbreaks.

Raw material for egg products (at production plant)

Every 3 months

Egg products (at production plant and at retail)

Egg products at production plant: Every 3 months; Egg products at retail: Once a year and in case of consumer complaints, suspicions or food borne outbreaks.

### Type of specimen taken

Eggs at egg packing centres (foodstuff based approach)

Surface of egg shells and mixture of white and yellow.

Eggs at retail

Surface of egg shells and mixture of white and yolk.

Raw material for egg products (at production plant)

Other: egg white, egg yolk and mixture of white and yolk.

Egg products (at production plant and at retail)

Egg products: Other: egg white, egg yolk and mixture of white and yolk.

## Definition of positive finding

Eggs at egg packing centres (foodstuff based approach)

Eggs and egg products are considered to be positive when Salmonella spp. is isolated

Eggs at retail

Eggs and egg products are considered to be positive when Salmonella spp. is isolated

Raw material for egg products (at production plant)

Eggs and egg products are considered to be positive when Salmonella spp. is isolated

Egg products (at production plant and at retail)

Eggs and egg products are considered to be positive when Salmonella spp. is isolated

## Diagnostic/analytical methods used

Eggs at egg packing centres (foodstuff based approach)

Microbiological method: EN ISO 6579

Eggs at retail

Microbiological method: EN ISO 6579

Raw material for egg products (at production plant)

Microbiological method: EN ISO 6579

Egg products (at production plant and at retail)

## Control program/mechanisms

### The control program/strategies in place

The Romanian Surveillance Program is a national program, published in Romanian Official Journal as Order of the President of the National Sanitary Veterinary and Food Safety Authority no 29/2014 (also the Order was applicable for 2014), yearly updated and the susceptibility testing of Salmonella is a part of the program.

### Measures in case of the positive findings

A positive laboratory finding of Salmonella spp. it is followed by a notification to RASFF to all levels (central, regional and local). Then all the food chain it is controlled in order to identify the source of contamination. The contaminated batches of eggs and egg products are traced back and detent under restrictions, until the results of Salmonella serotyping is communicated and depending on the seotype of Salmonella the different measures are applied. If the sample of eggs and egg products is found positive for Salmonella Enteritidis and/or Salmonella Typhimurium the whole batch of eggs and egg products is declared unfitted for human consumption and are denaturated. If the sample of eggs and egg products is found positive for Salmonella spp., other than Salmonella Enteritidis and Salmonella Typhimurium, the eggs and egg products will admitted for human consumption only if it is undergone to an adequate heat treatment, under veterinary surveillance and if the results of the microbiological analysis of the heat treated eggs and egg products is found negative for Salmonella spp.

### Notification system in place

Laboratories have to notify the positive results to the national and regional competent authority and the regional authority will notify the food business operator.

## 1.1.3.1 Salmonella spp. in animal - Cattle (bovine animals)

### Monitoring system

#### Sampling strategy

There is no official monitoring system on farm level. Investigations are initiated by the owners of the animals.

#### Frequency of the sampling

Animals at farm

Other: voluntary samples taken by veterinarian for diagnostic purposes.

#### Type of specimen taken

Animals at farm

Other: Faeces and various organs.

## Methods of sampling (description of sampling techniques)

### Animals at farm

Voluntary samples usually taken by a veterinarian for diagnostic purposes.

## Case definition

### Animals at farm

Detection of *Salmonella* spp. from sample taken from the animal, group of animals or associated with their environment.

## Diagnostic/analytical methods used

### Animals at farm

OIE method and those described in Annex D of ISO 6579:2002.

### 1.1.3.2 *Salmonella* spp. in animal - Pigs

## Monitoring system

### Sampling strategy

#### Breeding herds

There is no official monitoring system on farm level. Investigations are initiated by the owners of the animals.

#### Multiplying herds

There is no official monitoring system on farm level. Investigations are initiated by the owners of the animals.

#### Fattening herds

There is no official monitoring system on farm level. Investigations are initiated by the owners of the animals.

## Frequency of the sampling

#### Breeding herds

Voluntary samples taken by veterinarian for diagnostic purposes.

#### Multiplying herds

see Breeding herds.

Fattening herds at farm

see Breeding herds.

## Type of specimen taken

Breeding herds

Faeces and various organs.

Multiplying herds

Other: see Breeding herds.

Fattening herds at farm

Other: see Breeding herds.

## Methods of sampling (description of sampling techniques)

Breeding herds

Voluntary samples usually taken by a veterinarian for diagnostic purposes.

## Case definition

Breeding herds

Detection of *Salmonella* spp. from sample taken from the animal, group of animals or associated with their environment.

Multiplying herds

see Breeding herds.

Fattening herds at farm

see Breeding herds.

## Diagnostic/analytical methods used

Breeding herds

OIE method and those described in Annex D of ISO 6579:2002.

Multiplying herds

Other: see Breeding herds.

## Fattening herds at farm

Other: see Breeding herds.

### 1.2.1.1 Campylobacter - general evaluation

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

In 2012 under a national program for monitoring , meat from broilers and meat from turkey (fresh meat) samples were tested. In 2012 were tested 490 units from which 155 (31,63 %) were positive for Campylobacter spp. (Campylobacter coli 84; Campylobacter jejuni 66 and 5 units Campylobacter lari) In 2013 were taken a total number of 84 samples of meat from broilers, in own check, in order to detect Campylobacter spp., from which 7 were positive. In 2014 were taken a total number of 25 samples of meat from broilers, in own check, in order to detect Campylobacter spp., from which 2 were positive. In 2015 were taken a total number of 43 samples of meat from broilers, in own check, in order to detect Campylobacter spp., from which 5 were positive. In the period 2013-2015, voluntary samples usually taken for diagnostic purposes (HACCP and own checks). In 2013-2015 years , no were samples analysed for monitoring in order to detect Campylobacter spp. (it did not run a national program for monitoring).

### 1.2.1.2 Campylobacter spp., unspecified - general evaluation

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

The surveillance is made according with the Order of the President of the National Sanitary Veterinary and Food Safety Authority no. 29/2014.

#### Additional information

Other: Testing is performed on owner request and on clinical suspicion.

### 1.2.2.1 Campylobacter in food

#### Monitoring system

##### Sampling strategy

At retail

According with Romanian National Surveillance Programme, published in Romanian Official Journal as Order of the President of the National Sanitary Veterinary and Food Safety Authority, yearly updated which is according with the provisions of Regulation 2005/2073/EC (with subsequent amendments) in order to detect Campylobacter spp.

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

At retail

## Definition of positive finding

At retail

Meat and products thereof are considered to be positive when *Campylobacter* spp. is isolated.

## Diagnostic/analytical methods used

At retail

ISO 10272 - 1 /2006

## Control program/mechanisms

### The control program/strategies in place

The Romanian Control Programme is a national programme, published in Romanian Official Journal as Order of the President of the National Sanitary Veterinary and Food Safety Authority, yearly updated.

## Results of the investigation

In 2015 were taken a total number of 43 samples of meat from broilers, in own check, in order to detect *Campylobacter* spp., from which 5 were positive. In 2015, voluntary samples usually taken for diagnostic purposes (HACCP and own checks). During the year 2015, no samples were analysed for monitoring in order to detect *Campylobacter* spp. (it did not run a national program for monitoring).

### 1.3.1.1 *Listeria* - general evaluation

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

The surveillance is made according with the Order of the President of the National Sanitary Veterinary and Food Safety Authority no. 29/2014.

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

The Romanian National Surveillance Programme published in Romanian Official Journal as Order of the President of the National Sanitary Veterinary and Food Safety Authority, yearly updated which is according with the provisions of Regulation 2005/2073/EC. In 2011, 54 strains of *Listeria monocytogenes* were isolated, from which 11 strains were isolated from milk and dairy products (cheeses and dairy products) and 44 strains were isolated from other foods (meat, meat preparation, minced meat, snails, fish, and other processed food products and prepared dishes). In 2012, 38 strains of *Listeria monocytogenes* were isolated, of which 2 strains were isolated from milk and dairy products (cheeses) and 36 strains were isolated from other foods (fresh meat, meat products, meat preparation, minced meat, other processed food products and prepared dishes). In 2012 it was observed a decrease of the strains isolated for milk and dairy products and also for other foods, compared with 2011. In 2013, 47 strains of *Listeria monocytogenes* were isolated, of which 1 strain was isolated from milk and dairy products (cheeses) and 46 strains were isolated from other foods (fresh meat, meat products, meat preparation, minced meat, other processed food products and prepared dishes). It was observed an increase of the strains isolated for from other foods, in 2013 compared with 2012.

#### Additional information

Investigations are initiated by the owners of the animals. Testing is performed on owner request and on clinical suspicion.

### 1.3.2.1 Listeria in food

#### Monitoring system

##### Frequency of the sampling

At retail

Sampling takes place during their shelf-life

##### Type of specimen taken

At retail

Ready-to-eat food placed on the market during their shelf-life

##### Diagnostic/analytical methods used

At the production plant

Microbiological method: EN ISO 11290-1

At retail

Microbiological method: EN ISO 11290-2

#### Control program/mechanisms

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

The Romanian National Surveillance Programme published in Romanian Official Journal as Order of the President of the National Sanitary Veterinary and Food Safety Authority no 43/2012, yearly updated which is according with the provisions of Regulation 2005/2073/EC (with subsequent amendments) in order to Listeria monocytogenes.

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

A positive laboratory finding of Listeria monocytogenes is followed by a notification by RASFF to all levels (central, regional and local). Then all the food chain is controlled in order to identify the origin of the contamination, if it is possible. The contaminated products are traced back and are withdrawn from human consumption.

#### Notification system in place



## Results of the investigation

In 2015, 27 samples were positive of *Listeria monocytogenes*, out of them: 1 sample cheeses; 1 sample milk, 22 samples from meat and meat products; 2 samples fish and fish products and 1 sample snails (cooked meat).

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

In 2011, 54 strains of *Listeria monocytogenes* were isolated, of which 11 strains were isolated from milk and dairy products (cheeses and dairy products) and 44 strains were isolated from other foods (meat, meat preparation, minced meat, snails, fish, and other processed food products and prepared dishes). In 2012, 38 strains of *Listeria monocytogenes* were isolated, of which 2 strains were isolated from milk and dairy products (cheeses) and 36 strains were isolated from other foods (fresh meat, meat products, meat preparation, minced meat, other processed food products and prepared dishes). In 2013, 47 strains of *Listeria monocytogenes* were isolated, of which 1 strains were isolated from milk and dairy products (cheeses) and 45 strains were isolated from other foods (fresh meat, meat products, meat preparation, fish and fishery products, other processed food products and prepared dishes). In 2014, 41 strains of *Listeria monocytogenes* were isolated, of which 4 strains were isolated from milk and dairy products (cheeses and milk) and 37 strains were isolated from other foods (fresh meat, meat products, meat preparation, fish and fishery products, other processed food products and prepared dishes). In 2015, 27 strains of *Listeria monocytogenes* were isolated, of which 2 strains were isolated from milk and dairy products (cheeses and milk) and 25 strains were isolated from other foods (fresh meat, meat products, meat preparation, fish and fishery products, other processed food). In the period 2014-2015, it can be observed declining trend of positive cases in Romania compared with 2013.

### 1.4.1.1 Verotoxigenic *E. coli* (VTEC) - general evaluation

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

In 2012, under a national program for monitoring, were tested 446 samples, which from: 203 was carcass swabs, 121 bovine minced meat, 85 mixed meat- meat preparation - from bovine and sheep, 37 mixed meat- minced meat - from bovine and sheep. There were no positive samples for *Escherichia coli* STEC. In 2015 no samples analysed for monitoring *Escherichia coli* VTEC (it did not run a national program for monitoring).

## Additional information

Analytical method used is: *Escherichia coli* O157. ISO/TS 13136:2012 - Microbiology of food and animal feed -Real-time polymerase chain reaction (PCR)-based method for the detection of food-borne pathogens - Horizontal method for the detection of Shiga toxin-producing *Escherichia coli* (STEC) and the determination of O157, O111, O26, O103, O104 and O145 serogroups.

### 1.5.1.1 *Yersinia* in animal - Pigs

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

Voluntary samples usually taken by a veterinarian for diagnostic purposes. In 2011 were taken a total number of 9 samples of meat from pigs at processing plant, in own check, in order to detect *Yersinia enterocolitica*. There were found no positive samples for *Yersinia enterocolitica*. In the years 2012-2015 no samples were analysed for *Yersinia enterocolitica*.

### 1.6.1.1 *Trichinella* - general evaluation

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

Romania does not have any regions or holdings official free of trichinelosis. *Trichinella* spp. is detected in pigs belonging to the small holdings (individual backyards), bears, wild boars.

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

In 2010 were detected 140 positive cases in fattening pigs not raised under controlled housing conditions, 67 positive cases in wild boars, 9 positive cases in bears and 1 positive case in domestic solipedes (horses). In 2011 were detected 369 positive cases from which: 259 cases in fattening pigs not raised under controlled housing conditions, 5 cases in fattening pigs raised under controlled housing conditions, 92 cases in wild boars, 12 cases in bears and 1 positive case in domestic solipedes (horses). In 2011 it was observed an increase of the percent of positive cases for all the species, compared with 2010 (217 positive cases in 2010 and 369 positive cases in 2011, an increase with 70%). The prevalence of positive cases of pigs raised in backyards was 0.11% in 2011. During the year 2012, in Romania were detected a total number of 287 positive cases of *Trichinella* spp from which: - 171 positive cases in fattening pigs from backyards (not raised under controlled housing conditions); - 107 positive cases in wild boars, - 9 positive cases in bears. During the year 2013, in Romania were detected a total number of 361 positive cases of *Trichinella* spp from which: - 193 positive cases in fattening pigs from backyards (not raised under controlled housing conditions); - 148 positive cases in wild boars, - 20 positive cases in bears. In 2013 it was observed an increase of the percent of positive cases for all the species, compared with 2012 (287 positive cases in 2012 and 361 positive cases in 2013, an increase with 25,8%). The prevalence of positive cases of pigs raised in backyards was 0,16% in 2013. In 2014, were detected a total number of 255 positive cases of *Trichinella* spp. from which: 141 positive cases in fattening pigs from backyards (not raised under controlled housing conditions); 88 positive cases in wild boars-wild and 26 positive cases in bears. In 2015, were detected a total number of 210 positive cases of *Trichinella* spp. from which: 87 positive cases in fattening pigs from backyards (not raised under controlled housing conditions); 94 positive cases in wild boars-wild and 29 positive cases in bears. In the period 2014-2015, it can be observed declining trend of positive cases in Romania compared with 2013.

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

The main source of infection in humans with *Trichinella* spp. was wild boars - wild (94 samples) followed by pork meat (raw meat or low treated products made in household with pork meat from pigs raised in backyards) with 87 samples positive.

## Recent actions taken to control the zoonoses

The Romanian National Surveillance Programme of Zoonoses on 2013 was issued according with the provisions of Regulation 2005/2075/EC, repealed by Regulation 2015/1375/EC in order to control the Trichinelosis.

### 1.6.2.1 *Trichinella* in animal - Pigs

#### Number of officially recognised *Trichinella*-free holdings

Not available

#### Categories of holdings officially recognised *Trichinella*-free

Not available

#### Officially recognised regions with negligible *Trichinella* risk

Not available

#### Monitoring system

##### Sampling strategy

#### General

Sampling is compulsory for all pigs slaughtered, intended to human consumption.

### Frequency of the sampling

#### General

The sampling is compulsory performed for all pigs slaughtered and intended for human consumption, in order to detect *Trichinella* spp. according to the provisions of Regulation 2005/2075/EC (repealed by Regulation 2015/1375/EC).

### Type of specimen taken

#### General

Diaphragm pillars. In the absence of diaphragm pillars, the following specimens are taken: the rib part or the breastbone part of the diaphragm, the jaw muscles, tongue or abdominal muscles.

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

#### General

According with the provisions of Regulation 2005/2075/EC (repealed by Regulation 2013/1375/EC) in order to detect *Trichinella* spp.

### Case definition

For *Trichinella* free holdings

Not available

For categories of holdings officially recognised *Trichinella*-free

Not available

For regions with negligible *Trichinella* risk

Not available

### Diagnostic/analytical methods used

#### General

Artificial digestion methods on individual samples and/or on pooled samples.

### Preventive measures in place

Sampling is compulsory for all pigs slaughtered in order to detect *Trichinella* spp. and to avoid human trichinelosis.

## Control program/mechanisms

### The control program/strategies in place

The Romanian Surveillance Programme is a national programme, published in Romanian Official Journal as Order of the President of the National Sanitary Veterinary and Food Safety Authority, yearly updated which is according with the provisions of Regulation 2005/2075/EC (repealed by Regulation 2015/1375/EC), in order to detect *Trichinella* spp.

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

Pig meat infested with *Trichinella* spp. is withdrawn from human consumption and sent to the rendering establishments, in order to be denatured .

### Notification system in place

Rapid Alert System for Food and Feed.

### Notification system in place

In 2015, 87 positive cases in fattening pigs from backyards were detected . All positive samples were sent to National Reference Laboratory for *Trichinella* which is in Institute of Hygiene and Veterinary Public Health. To identify the species of *Trichinella*, of these 20 were analyzed in NRL and 67 will be sent by NRL to the EU-RL-P to identify the species of *Trichinella*

## Results of the investigation including description of the positive cases and the verification of the *Trichinella* species

### Fattening pigs raised under controlled housing conditions in integrated production system

For this category no positive samples were detected in 2015.

### Fattening pigs not raised under controlled housing conditions in integrated production system

There were controlled 3359 samples from fattening animals pigs, from farms but not raised under controlled housing conditions (not raised in an integrated system) and all the results were negative. Also were controlled 133979 samples from fattening animals pig, raised from backyards (not raised under controlled housing conditions) to which were registered 87 positive samples.

### Breeding sows and boars

For this category no positive samples were detected in 2015.

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

During the year 2010, in Romania were detected a total number of 140 positive cases of *Trichinella* spp. in pigs. It was observed an decrease of percent of positive samples for pigs from backyards and for pigs raised under controlled housing conditions in integrated production system compared with 2009. During the year 2011, in Romania were detected a total number of 264 positive cases of *Trichinella* spp. in pigs. It was observed an increase of percent of positive samples for pigs from backyards and for pigs raised under controlled housing conditions in integrated production system compared with 2010. During the year 2012, in Romania were detected a total number of 171 positive cases of *Trichinella* spp. in pigs. In 2012 for pigs raised in backyards was observed a decrease of percent of positive cases, with 33,97%, compared with 2011. In 2013, 193 positive cases in fattening pigs from backyards were detected and was observed an increase of percent of positive cases, with 12,90 % , compared with 2013. In 2014, 141 positive cases in fattening pigs from backyards were detected and in 2015, 87 positive cases in fattening pigs from backyards were detected . In the period 2014-2015, it can be observed declining trend of positive cases in Romania compared with 2013.

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

In 2015, the cases of trichinella detected are related to the positive cases registered in meat and products thereof from wild boars and also pig meat raised in backyards (meat from pig not raised under controlled housing conditions).

### 1.7.1.1 Echinococcus - general evaluation

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

Testing for detection of Echinococcus is a part of post-mortem inspection of slaughtered animals. It is a visual inspection of the internal organs of the slaughtered animals accompanied by cuts of liver if is necessary. The Echinococcus is not routinely distinguished by species.

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

Analysis the situation after 2007 in inspected carcasses in slaughter houses shows on the decreasing of cases. The monitoring program for Echinococcosis in the dogs was introduced in the year 2007. The samples are taken from stray dogs. Were tested 19136 samples for echinococcosis, 77 were positive for Echinococcus spp. In the period 2007-2008 were tested 16784 samples from dogs for echinococcosis, 28 samples were positive for Echinococcus spp. In the year 2009 were tested 2352 samples from dogs for echinococcosis, 49 samples were positive for Echinococcus spp. In the year 2010 were tested 809 samples from dogs for echinococcosis by ELISA coproantigen test and two of them were positive for Echinococcus spp. In 2011 were tested 5262 samples from dogs by ELISA coproantigen. From them 121 samples were positive for Echinococcus spp. In 2012 were tested 5119 samples from dogs by ELISA coproantigen, From them 9 samples were positive for Echinococcus spp. In 2013 were tested 3267 samples from dogs by ELISA coproantigen, From them 159 samples were positive for Echinococcus spp. In 2014 a total of 173 samples were examined from dogs, from which 6 were positive for Echinococcus spp. In 2015 were examined a total of 59 samples from dogs from which all were negative.

#### Recent actions taken to control the zoonoses

In 2013 it was introduced PCR technique for identification the Echinococcus granulosus species on intermediate hosts. Were tested 82 samples from sheep, goats, cattle and pigs by PCR technique for identification the Echinococcus granulosus species. All samples were positive for Echinococcus granulosus.

### 1.8.1.1 Lyssavirus (rabies) - general evaluation

#### Additional information

As a member state of the European Union, Romania had annual programmes for the surveillance and control of rabies approved, in conformity with the provisions of the European Commission decisions no. 2006/876/CE, 2007/782/CE, 2008/897/CE and 2009/883/CE. Nevertheless, the programmes for the anti rabic vaccination of wild foxes could not be implemented, but partially, during the period between 2007-2009, by manual administration of vaccine baits, on restricted areas. One of the causes for not applying the programme represented the impossibility of acquiring the vaccine baits due to legal obstructions found in the process of justice.

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

#### Monitoring system

#### Sampling strategy

Confirmation of rabies diagnosis is established only by laboratory tests on samples taken (brain) from dogs that died or were killed due to clinical signs of disease (nervous signs). Samples for laboratory tests if suspicion of rabies - the entire bodies of the dog- are packaged properly so as to avoid any leakage of fluids. Transport is carried out in refrigerated containers, within 24 hours in winter time and 12 hours in summer time, labeled "biological samples with a high risk of contamination - WARNING RABIES". If the samples are not sent to the laboratory in time, they are frozen.

## Frequency of the sampling

If the dog becomes ill with symptoms of rabies or dies from a rabies-like illness during the observation period, the dog should be tested for rabies.

## Type of specimen taken

Organs/tissues: brain samples (bulb, Ammon horn, cerebellum, cortex, brain stem)

## Methods of sampling (description of sampling techniques)

The entire bodies of small animals or heads of large animals - are packaged properly so as to avoid any leakage of fluids. Harvesting and handling must comply with strict work protection measures and biosecurity; must wear personal protective equipment plus disposable mask, goggles, surgical gloves; are mandatory disinfection of instruments and working table used for sampling, in accordance with veterinary rules in force, and washing and disinfecting hands of the operator. Accompanying the evidence clearly indicated the origin of the animal and its owner, owner address, phone number, changes in behavior or physiological status of that animal, if has bitten or scratched other people, and identification and their residence. Transport measures are required to destroyed the bodies, destruction of consumables used in handling samples and destruction of laboratory animals (white mice) used for confirmation or denial of rabies diagnosis.

## Case definition

A case of dog rabies is defined as an illness characterized by acute encephalomyelitis that almost always progresses to coma or death and is laboratory confirmed

## Diagnostic/analytical methods used

Fluorescent Antibody Test (FAT) on smears from hippocampus or medulla oblongata

## Vaccination policy

All dogs over 3 months are vaccinated once a year with a rabies vaccine registered and marketed in Romania. Rabies immunization is done by organizing mass vaccination campaigns, annual autumn-winter period, followed by completing vaccination. Each vaccinated carnivorous receives a completed and signed by the empowered veterinary practitioner health book which certifies the carrying out of the vaccination against rabies, details about the vaccinated animal, owner, location, veterinarian and the vaccine used. Each health book has one series and one number.

## Other preventive measures than vaccination in place

The administration of the counties should build shelters for stray dogs, according to national legislation

## Control program/mechanisms

### The control program/strategies in place

The Romanian Control Programme was a national programme for domestic and wild animals, published in Romanian Official Journal as Order of the President of the National Sanitary Veterinary and Food Safety Authority no 29/2008, for the approval of the sanitary veterinary Norm regarding the general measures of prevention and control of rabies in domestic and wild animals. The Surveillance, control, and monitoring of domestic animals and wild animals for rabies makes the objective The programme for the actions of surveillance, prevention and control of animal diseases, of those transmissible from animals to man, for protection of animals and environment which is carried out yearly by the National Sanitary Veterinary and for Food Safety Authority; this programme is supplemented, everytime it is necessary, with epidemiological and risk analysis.

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

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

After rabies confirmation, the county SVFSD acts as follows: a) perform the epidemiological enquire ; b) establishes the protection and the surveillance zones ; c) issues the control plan with deadlines and responsibilities; The control measures in the protection zone include: - drawing up the epidemiological maps; - killing of carnivores which were bitten or scratched by sick animals, if they were not vaccinated against rabies, or if they have less than 21 days since first vaccination, - isolation by the rest of the animals of the vaccinated carnivores which have been bitten or scratched by the sick animal;- placement under observation of all animals from that holding for 14 days, beginning with the contact moment ; - killing of all animals from that holding, in case when they manifest clinical signs in this period of time; animals which did not manifest clinical signs of rabies, are released from observation; - interdiction of animal movement for animal which were under observation for a period of, at least 3 month. The control measures in the surveillance zones include: - a census for all dogs and cats; - vaccination of dogs and cats with inactivated vaccine; - surveillance and movement control of dogs and cats.

## Notification system in place

Rabies is a notifiable disease from local to central level, in accordance with the NSVFSA President Order no.79/2008 for the approval of the sanitary veterinary Norm on notifying animal diseases, represents the official transposition of the Council Directive 1982/894/CE regarding the notification of animal diseases. The obligativity of disease notification comes to the free practice empowered practitioners which notify the official veterinarian about the rabies suspicions in the field. Rabies suspicion is notified from the field to SVFSD, and samples are sent to the county sanitary veterinary laboratory accredited and authorized for diagnosis. The official vet responsible with animal health from CSVFSD, notifies the suspicion by a rapid communication mean to the director of Animal Health and Welfare Directorate from NSVFSA and also by using a notification report form, to NSVFSA all suspected cases of rabies. Following to laboratory confirmation of rabies, the county SVFSD and of the Bucharest Municipality, will notify, using a notification report form, to NSVFSA all confirmed cases of rabies. If rabies is confirmed in a domestic animal, the owner is also notified and a complete file is issued in view of applying the control measures, if necessary. The situation concerning rabies cases is notified twice/ year to OIE, and quarterly to the European Institute for Rabies Control.

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

In 2010 year there were detected 46 positive cases in dogs. The vaccination against Rabies of foxes will decrease the number of cases in domestic animals, because foxes are natural virus reservoir. In 2011 were detected 40 positive cases in dogs. In 2012 were detected by FAT 49 positive cases in dogs. In 2013 were detected 38 positive cases in dogs. In 2015 year were detected 28 rabies cases, diagnosed by FAT . All positive samples were sequenced in order to distinguish between wild strain and vaccine strain (27 wild strain and one vaccine strain - bovine)

## Results of the investigation

### Investigations of the human contacts with positive cases

The people who have been in contact with positive cases are send to hospitals for examination and medical treatment.

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

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

The surveillance is made according with the Order of the President of the National Sanitary Veterinary and Food Safety Authority no. 29/2014. Testing is performed only on clinical suspicion in case of abortions of ruminants. The active surveillance is made by CFT (Complement Fixation Test) or ELISA of all bovine, sheep and goats in case of abortions with unspecified diagnostic on blood samples harvest after 14-21 days. This surveillance is made on the suspicion of the disease through serological, bacteriological and morfo-pathological exams. On lymph nodes, liver, lung, kidney, placental and myocardium tissue are made morfo-pathological and necropsy exams by Pappenheim or Lillie-Pasternack method.

A. For confirmation of bovine livestock: 1 - The PCR samples for testing purposes as follows: i) From minimum six cattle (three multiparous and three primiparous), from the number of cattle that have aborted after 15 days and less than four months ago. It will be taken blood samples for serological testing by ELISA (using preferable antigen prepared from Coxiella isolates obtained from ruminates) ii) From the bovine with breeding affections (placental retention, metritis) expressed in the last four months. It will be taken blood samples for serologic testing by ELISA (using preferable antigen prepared from Coxiella isolates obtained from ruminates for reaching a number of six tested animals) 2 - From the animals which do not have breeding problems it will be taken blood sampled and examined serologically by ELISA (using preferable antigen prepared from Coxiella isolates obtained from ruminates for reaching a number of six tested animals).

B. For confirmation of small ruminant livestock: 1. From a total of 2 to 6 samples from taken from goats and sheep that have aborted in the last eight days. It will be taken vaginal swab, placental swab, or aborted material for PCR examination. Will perform two PCR tests on individual samples or two samples are composed of more than two animals tested. 2. In case when only one sample is available for PCR examination or one of two samples analyzed by quantitative PCR, apply the following scheme: i) From goats and sheep that have aborted 15 days or three weeks ago it will be taken blood samples for serological examination by ELISA (using preferable antigen prepared from Coxiella isolates obtained from ruminates, for reaching minimum number of tested animals to ten, especially the aborted ones, if possible five or bigger number). ii) From goats and sheep that gave birth prematurely 15 days or three months ago, it will be taken blood samples for serological examination by ELISA (using preferable antigen prepared from Coxiella isolates obtained from ruminates, for reaching minimum number of tested animals to ten, especially the aborted ones, if possible five or bigger number) iii) From sheep and goats from the same herd which do not present breeding affections three months ago after giving birth, it will be taken blood samples for serological examination by ELISA (using preferable antigen prepared from Coxiella isolates obtained from ruminates, for reaching minimum number of tested animals to ten, especially the aborted ones, if possible five or bigger number).

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

Q fever is a zoonotic disease caused by *Coxiella burnetii*, a stable bacteria that resists to heat, drying and many common disinfectants. This resistance enables the bacteria to survive for a long period in the environment. Cattle, sheep, and goats are the main reservoirs but a wide variety of other animals can be contaminated, including domestic pets. *Coxiella burnetii* does not usually cause clinical disease in these animals, although an increased abortion rate and fertility problems in cattle, sheep and goats are observed. The emergence of these common symptoms over a longer period of time leads finally to the diagnosis of Q fever. Organisms are excreted in milk, urine, and faeces by infected animals. Animals shed the organisms especially during parturition within the amniotic fluids and the placenta. Airborne transmission can occur in premises contaminated by placental material, birth fluids or excreta from infected animals. Airborne inhalation is an important transmission route of infection.

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

Livestock farmers, dairy workers, veterinarians, slaughterhouse and meat processing plant workers, and researchers at laboratories or facilities housing susceptible animals are especially concerned and have to be informed about this disease, the possible transmission of infection and preventive measures to be respected.

## Recent actions taken to control the zoonoses

The following measures could be used in the prevention and control of Q fever: Public education and information on sources of infection giving advice to high risk persons, especially with preexisting cardiac valvular disease or individuals with vascular grafts and pregnant women restrict access to barns and laboratories used in housing potentially infected animals quarantine aborted animals appropriately disposal of placenta, birth products, fetal membranes, and aborted fetuses use only pasteurized milk and milk products infected holding facilities should be located away from populated areas. Measures should be implemented to prevent airflow to other occupied areas

### 1.10.1.1 Toxoplasma - general evaluation

## Recent actions taken to control the zoonoses

The surveillance is made according with the Order of the President of the National Sanitary Veterinary and Food Safety Authority no. 34/2006 with subsequent amendments. Surveillance by serological (ELISA, CFT, IFI) and other laboratory tests on samples taken from species susceptible, depending on the epidemiological situation or of the animal owner request.

## Additional information

For cats and dogs a Serological surveillance is done on the owner request (in special in case of pregnant women owner of cats and dogs).





## 2 ANTIMICROBIAL RESISTANCE INFORMATION ON SPECIFIC ZONOSES AND ZONOTIC AGENTS

### 2.1 SALMONELLOSIS

#### 2.1.1 Salmonella in foodstuffs

##### 2.1.1.1 Antimicrobial resistance in Salmonella Meat from bovine animals

###### Description of sampling designs

In 2015, the sampling designs were according to the provisions of DECISION 2013/652/EU on the monitoring and reporting of antimicrobial resistance in zoonotic and commensal bacteria (Grant Decision SI.700679/2015) and the Romanian N.S.V.F.S.A. President Order 5746/2015. For detection and serotyping of E. coli, fresh meat from bovine were sampled from retail.

##### 2.1.1.2 Antimicrobial resistance in Salmonella Meat from pig

###### Description of sampling designs

In 2015, the sampling designs were according to the provisions of DECISION 2013/652/EU on the monitoring and reporting of antimicrobial resistance in zoonotic and commensal bacteria (Grant Decision SI.700679/2015) and the Romanian N.S.V.F.S.A. President Order 5746/2015. For detection and serotyping of Salmonella, carcasses swabs were sampled (meat from pig-carcasse) from slaughterhouses, according ISO 17604 and Regulation 2073/2005/EC.

###### Stratification procedures per animal populations and food categories

For detection (isolation and serotyping) Salmonella were involved 21 counties and 26 slaughterhouses with the highest production. Samples were collected from regional county (County Sanitary Veterinary and Food Safety Directorate CSVFSD) and analysed in Institute for Hygiene and Veterinary Public Health. The isolates were serotyped in the NRL -Salmonella and the antimicrobial resistance testing was performed in the NRL-AR (Institute for Hygiene and Veterinary Public Health).

###### Randomisation procedures per animal populations and food categories

Samples were collected through a random selection according to the provisions of N.S.V.F.S.A. President Order 5746/2015.

###### Sampling strategy used in monitoring

###### Frequency of the sampling

For isolation Salmonella spp, the samples were collected of the 26 slaughterhouses depending on production : 1 to 4 samples /month.

###### Type of specimen taken

For detection and serotyping of Salmonella, carcasses swabs were sampled (meat from pig-carcasse) from slaughterhouses, according ISO 17604 and Regulation 2073/2005/EC.

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

According to the provisions of N.S.V.F.S.A. President Order 5746/2015 (Grant Decision SI.700679/2015), carcasses swabs were sampled (meat from pig-carcasse) from slaughterhouses (according ISO 17604 and Regulation 2073/2005/EC) and the isolates were tested for the antimicrobial resistance. Each sample had a unic number recorded in a standard form sampling.

## Methods used for collecting data

According to the provisions of the Order of President of National Sanitary Veterinary and Food Safety Authority no.34/2006, transposing into Romanian legislation the Directive 2003/99/EC, all the strains isolated in foodstuffs derived from products of animal origin were compulsory tested for the antimicrobial resistance. In 2015, all the information about the collecting data on the monitoring and reporting of antimicrobial resistance in zoonotic and commensal bacteria, were provided in N.S.V.F.S.A. President Order 5746/2015. Isolates were collected from regional laboratories (Sanitary Veterinary and for Food Safety Laboratories) and tested for the antimicrobial resistance at the NRL-AR. The antimicrobial resistance data, for samples meat from pig-carcasses swabs ) from slaughterhouses, is collected in Institute of Hygiene and Veterinary Public Health.

## Laboratory methodology used for identification of the microbial isolates

Microbiological method: EN ISO 6579 - biochemical confirmation and serotyping

## Laboratory used for detection for resistance

### Antimicrobials included in monitoring

The method used for detection of the antimicrobial resistance is broth microdilution (ISO 20776) testing and quality control were performed according to CLSI (Clinical and Laboratory Standards Institute) documents and standards. The antimicrobials (panel 1 and panel 2) included in monitoring: Ampicillin, Azithromycin, Cefotaxime, Ceftazidime, Chloramfenicol, Ciprofloxacin, Colistin, Gentamicin, Meropenem, Nalidixic acid, Sulfamethoxazole, Tetracycline, Tigecycline, Trimethoprim, Cefepime, Cefotaxime with clavulanic acid, Cefoxitin, Ceftazidime with clavulanic acid, Ertapenem, Imipenem, Temocillin.

### Cut-off values used in testing

The breakpoints used are those listed in 2013/652/UE.

## Results of the investigation

In 2015, 399 sample carcasses swabs (meat from pig-carcasse ) were tested for identification Salmonella spp. A number of 23 were positive but no one of them, was not resistant for cephalosporins.

## Notification system in place

Laboratory has to notify the positive result finding of Salmonella spp., to the regional and central authority and the regional authority notify the food business operator.

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

A positive laboratory finding of Salmonella spp. is followed by a notification by RASFF to all levels (central, regional and local). Then the all food chain is controlled in order to identify the origin of the contamination, if it is possible. The contaminated products are traced back and reserved under restrictions, until the results of serotyping are ready and depending of the type of the Salmonella different measures are applied (general measures : effective cleaning and disinfection of the premises and equipment are carried out and monitoring too). Regarding to antimicrobial resistance no measures are applied.

## Control program/mechanisms

### The control program/strategies in place

According to the provisions of the Romanian National Surveillance Program published in Romanian Official Journal as order of the President of the National Sanitary Veterinary and Food Safety Authority no 29/2014 (also the Order was applicable for 2015).

## 2.2 CAMPYLOBACTERIOSIS

### 2.2.1 Campylobacter in animals

#### 2.2.1.1 Antimicrobial resistance in Campylobacter spp., unspecified All animals

##### Sampling strategy used in monitoring

###### Type of specimen taken

In cattles, sheeps and goats all of the Campylobacter spp. isolates were derived from samples taken for diagnostic purposes.

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

Voluntary sampling.

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

All isolates are tested.

###### Methods used for collecting data

Isolates were collected from regional laboratories (County Sanitary Veterinary and Food Safety Directorate CSVFSD) at Institute for Diagnosis and Animal Health and confirmed by the NRL Campylobacter. Antimicrobial resistance testing is performed in the NRL-AR.

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

Bacteriological method: SR EN ISO 10272-1:2006, OIE Manual

##### Laboratory used for detection for resistance

###### Antimicrobials included in monitoring

Micro-dilution method performed according to the method described by the EUCAST and CLSI, accepted as ISO 20776-1:2006. Antimicrobials included in monitoring are: erythromycin, ciprofloxacin, tetracycline, gentamicin, nalidixic acid, streptomycin.

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

Cut-off values used in testing are in conformity with EUCAST.

##### Results of the investigation

During 2015 there were tested 9 Campylobacter jejuni and 2 Campylobacter coli strains isolated from cattle, one Campylobacter coli strain from goats, one Campylobacter coli, one Campylobacter fetus ssp. fetus and 5 Campylobacter jejuni from sheeps.

## 2.3 ESCHERICHIA COLI , NON-PATHOGENIC

## 2.3.1 Escherichia coli, non-pathogenic in foodstuffs

### 2.3.1.1 Antimicrobial resistance in Escherichia coli, non-pathogenic Meat from bovine animals

#### Stratification procedures per animal populations and food categories

For detection (isolation and serotyping) E. coli, the samples were collected from 21 counties, respectively from 15 cutting plants, 6 restaurants, 7 supermarkets and 5 grocery stores. Samples were collected from regional county (County Sanitary Veterinary and Food Safety Directorate CSVFSD) and analysed in Institute for Hygiene and Veterinary Public Health. The isolates were serotyped in the NRL -E.coli and the antimicrobial resistance testing was performed in the NRL-AR (Institute for Hygiene and Veterinary Public Health).

#### Randomisation procedures per animal populations and food categories

Samples were collected through a random selection according to the provisions of N.S.V.F.S.A. President Order 5746/2015.

#### Sampling strategy used in monitoring

##### Frequency of the sampling

For isolation E. coli the samples were collected from 21 counties, respectively from 15 cutting plants, 6 restaurants, 7 supermarkets and 5 grocery stores : 1 to 2 samples /month.

##### Type of specimen taken

For detection and serotyping of E.coli, meat from bovine fresh were taken from retail, according the provisions of DECISION 2013/652/EU on the monitoring and reporting of antimicrobial resistance in zoonotic and commensal bacteria (Grant Decision SI.700679/2015).

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

According to the provisions of N.S.V.F.S.A. President Order 5746/2015 (Grant Decision SI.700679/2015), meat from bovine fresh were sampled from retail and the isolates were tested for the antimicrobial resistance. Each sample had a unic number recorded in a standard form sampling.

##### Methods used for collecting data

According to the provisions of the Order of President of National Sanitary Veterinary and Food Safety Authority no.34/2006, transposing into Romanian legislation the Directive 2003/99/EC, all the strains isolated in foodstuffs derived from products of animal origin were compulsory tested for the antimicrobial resistance. In 2015, all the information about the collecting data on the monitoring and reporting of antimicrobial resistance in zoonotic and commensal bacteria, were provided in N.S.V.F.S.A. President Order 5746/2015. Isolates were collected from regional laboratories (Sanitary Veterinary and for Food Safety Laboratories) and tested for the antimicrobial resistance at the NRL-AR. The antimicrobial resistance data, for samples bovine fresh meat from retail, is collected in Institute of Hygiene and Veterinary Public Health.

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

Laboratory protocol for isolation of ESBL-, AmpC- and carbapenemase producing E. coli from fresh meat DTU Food, biochemical confirmation (EURL-AR ).

#### Laboratory used for detection for resistance

##### Antimicrobials included in monitoring

The method used for detection of the antimicrobial resistance is broth microdilution (ISO 20776) testing and quality control were performed according to CLSI (Clinical and Laboratory Standards Institute) documents and standards. The antimicrobials (panel 1 and panel 2) included in monitoring: Ampicillin, Azithromycin, Cefotaxime, Ceftazidime, Chloramfenicol, Ciprofloxacin, Colistin, Gentamicin, Meropenem, Nalidixic acid, Sulfamethoxazole, Tetracycline, Tigecycline, Trimethoprim, Cefepime, Cefotaxime with clavulanic acid, Cefoxitin, Ceftazidime with clavulanic acid, Ertapenem, Imipenem, Temocillin.

### Cut-off values used in testing

The breakpoints used are those listed in 2013/652/UE.

### Results of the investigation

In 2015, 244 sample fresh meat from bovine were tested for identification E.coli, from which a number of 28 were positive.

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

A positive laboratory finding of E.coli is followed by a notification by RASFF to all levels (central, regional and local). Then the all food chain is controlled in order to identify the origin of the contamination, if it is possible. The contaminated products are traced back and reserved under restrictions, until the results of typing are ready and then different measures are applied (general measures : effective cleaning and disinfection of the premises and equipment are carried out and monitoring too).Regarding to antimicrobial resistance no measures are applied.

### Control program/mechanisms

#### The control program/strategies in place

According to the provisions of the Romanian National Surveillance Program published in Romanian Official Journal as order of the President of the National Sanitary Veterinary and Food Safety Authority no 29/2014 (also the Order was applicable for 2015).

### 2.3.1.2 Antimicrobial resistance in Escherichia coli, non-pathogenic Meat from pig

#### Description of sampling designs

In 2015, the sampling designs were according to the provisions of DECISION 2013/652/EU on the monitoring and reporting of antimicrobial resistance in zoonotic and commensal bacteria (Grant Decision SI.700679/2015) and the Romanian N.S.V.F.S.A. President Order 5746/2015. For detection and serotyping of E. coli, fresh meat from pig were sampled from retail.

#### Stratification procedures per animal populations and food categories

For detection (isolation and serotyping) E. coli, the samples were collected from 21 counties, respectively from 15 cutting plants, 6 restaurants, 7 supermarkets and 5 grocery stores. Samples were collected from regional county (County Sanitary Veterinary and Food Safety Directorate CSVFSD) and analysed in Institute for Hygiene and Veterinary Public Health. The isolates were serotyped in the NRL -E.coli and the antimicrobial resistance testing was performed in the NRL-AR (Institute for Hygiene and Veterinary Public Health).

#### Randomisation procedures per animal populations and food categories

Samples were collected through a random selection according to the provisions of N.S.V.F.S.A. President Order 5746/2015.

#### Sampling strategy used in monitoring

##### Frequency of the sampling

For isolation E. coli the samples were collected from 21 counties, respectively from 15 cutting plants, 6 restaurants, 7 supermarkets and 5 grocery stores : 1 to 2 samples /month.

##### Type of specimen taken

For detection and serotyping of E.coli, meat pig fresh were taken from retail, according the provisions of DECISION 2013/652/EU on the monitoring and reporting of antimicrobial resistance in zoonotic and commensal bacteria (Grant Decision SI.700679/2015).

## Methods of sampling (description of sampling techniques)

According to the provisions of N.S.V.F.S.A. President Order 5746/2015 (Grant Decision SI.700679/2015), meat from pig fresh were sampled from retail and the isolates were tested for the antimicrobial resistance. Each sample had a unic number recorded in a standard form sampling.

## Methods used for collecting data

According to the provisions of the Order of President of National Sanitary Veterinary and Food Safety Authority no.34/2006, transposing into Romanian legislation the Directive 2003/99/EC, all the strains isolated in foodstuffs derived from products of animal origin were compulsory tested for the antimicrobial resistance. In 2015, all the information about the collecting data on the monitoring and reporting of antimicrobial resistance in zoonotic and commensal bacteria, were provided in N.S.V.F.S.A. President Order 5746/2015. Isolates were collected from regional laboratories (Sanitary Veterinary and for Food Safety Laboratories) and tested for the antimicrobial resistance at the NRL-AR. The antimicrobial resistance data, for samples pig fresh meat from retail, is collected in Institute of Hygiene and Veterinary Public Health.

## Laboratory methodology used for identification of the microbial isolates

Laboratory protocol for isolation of ESBL-, AmpC- and carbapenemase producing E. coli from fresh meat DTU Food, biochemical confirmation (EURL-AR).

## Laboratory used for detection for resistance

### Antimicrobials included in monitoring

The method used for detection of the antimicrobial resistance is broth microdilution (ISO 20776) testing and quality control were performed according to CLSI (Clinical and Laboratory Standards Institute) documents and standards. The antimicrobials (panel 1 and panel 2) included in monitoring: Ampicillin, Azithromycin, Cefotaxime, Ceftazidime, Chloramfenicol, Ciprofloxacin, Colistin, Gentamicin, Meropenem, Nalidixic acid, Sulfamethoxazole, Tetracycline, Tigecycline, Trimethoprim, Cefepime, Cefotaxime with clavulanic acid, Cefoxitin, Ceftazidime with clavulanic acid, Ertapenem, Imipenem, Temocillin.

### Cut-off values used in testing

The breakpoints used are those listed in 2013/652/UE.

## Results of the investigation

In 2015, 399 sample fresh meat from pig were tested for identification E.coli, from which a number of 63 were positive.

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

A positive laboratory finding of E.coli is followed by a notification by RASFF to all levels (central, regional and local). Then the all food chain is controlled in order to identify the origin of the contamination, if it is possible. The contaminated products are traced back and reserved under restrictions, until the results of typing are ready and then different measures are applied (general measures : effective cleaning and disinfection of the premises and equipment are carried out and monitoring too). Regarding to antimicrobial resistance no measures are applied.

## Control program/mechanisms

### The control program/strategies in place

According to the provisions of the Romanian National Surveillance Program published in Romanian Official Journal as order of the President of the National Sanitary Veterinary and Food Safety Authority no 29/2014 (also the Order was applicable for 2015).

## 2.3.2 Escherichia coli, non-pathogenic in animals

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

#### Description of sampling designs

According to Commission Implementing Decision No 652/2014 Escherichia coli strains isolated from pigs caecal samples which are tested for antimicrobial susceptibility were obtained from monitoring programmes, based on randomised sampling design. The commensal E. coli and ESBL/AmpC producing E. coli isolates are originate from randomly selected holdings and randomly selected within the slaughterhouses.

#### Stratification procedures per animal populations and food categories

They were sampled and tested 399 caecal samples from slaughtered fattening pigs originate from randomly selected holdings and randomly selected slaughterhouses, respectively 27 slaughterhouses from 21 different county, situated in different country regions.

#### Randomisation procedures per animal populations and food categories

The random sampling plan was stratified per slaughterhouse by allocating the number of samples collected per slaughterhouse proportionally to the annual throughput of the slaughterhouse. Sampling was performed on a random selection regarding sampling days, during each month; cecum samples were chosen at random, regardless of the origin of the slaughtered animals (farms / holdings in Romania or other countries).

#### Sampling strategy used in monitoring

##### Frequency of the sampling

The collected samples at slaughter were evenly distributed over each month of the year to enable the different seasons to be covered, respectively from 1st of May to 31st of November 2015. They were sampled between 1 and 3 slaughter batches per month, respectively between 7 and 21 slaughter batches per year from different slaughterhouse. Only one representative sample of caecal content per holding, derived from a different number of carcasses were gathered to account for clustering.

##### Type of specimen taken

They were taken 399 caecal samples from slaughtered fattening pigs.

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

Within slaughterhouses, after the mass gastrointestinal examination, the official vet will perform cecum sampling on special designated location, that to avoid carcasses contamination with the intestinal contents. To avoid cross contamination, the cecum has to be sampled with caution by double ligation and then sectioning between ligatures; - for a slaughtered animals lot, it shall be sampled a single caecum, from one animal, which have to be randomly chosen on cutting line. The traceability has to be assured for each sample; - cecum must be untouched and full; - cecum sample will be collected in a single sterile bag for a transport. It is labeled with a unique number which is identical with the analysis request number, and sealed- samples should not be exposed to extreme temperatures and as soon as possible have to be transported to the laboratory for tests them.

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

All isolates are tested for antimicrobial resistance.

##### Methods used for collecting data

In accordance with SN of NSVFSA no 26185/22.04.2015, respectively Annex VI - Report of the results of AMR monitoring. The document contains the information requested in Part B of Decision No 652/2014. The data were collected by NRL-AR and transmitted to NSVFSA.



## Laboratory methodology used for identification of the microbial isolates

The isolation of indicator commensal *Escherichia coli* is an in house method and for the specific monitoring of ESBL-/AmpC-/carbapenemase-producers is the protocol developed by the EURL-AR .

## Laboratory used for detection for resistance

### Antimicrobials included in monitoring

Micro-dilution method performed according to the method described by the EUCAST and CLSI, accepted as ISO 20776-1:2006. Antimicrobials included in monitoring are: Ampicillin, Azithromycin, Cefotaxime, Ceftazidime , Chloramphenicol , Ciprofloxacin, Colistin, Gentamicin, Meropenem, Nalidixic acid, Sulfamethoxazole, Tetracycline, Tigecyclinel, Trimethoprim (first panel) and Cefepime, Cefoxitin, Ceftazidime, Ceftazidime + clavulanic acid, Cefotaxime, Cefotaxime + clavulanic acid, Ertapenem, Imipenem, Meropenem, Temocillin (second panel), according to the Decision 2013/652/EU.

### Cut-off values used in testing

Cut-off values used in testing are in conformity with Decision 2013/652/EU (tabel 1 and tabel 4).

## Results of the investigation

During 2015 there were tested 399 caecal samples from slaughtered fattening pigs for detection of commensal *E. coli* and ESBL/AmpC producing *E. coli*. There were isolated 399 commensal *E. coli* strains and 223 ESBL/AmpC producing *E. coli* strains. 6 commensal *E. coli* strains were resistant to 3rd generation cephalosporinases. All strains were tested for antimicrobial resistance.

## Notification system in place

Positive laboratory findings of commensal *E. coli* and ESBL/AmpC producing *E. coli* is not the subject of RASFF notification.

## 3 INFORMATION ON SPECIFIC MICROBIOLOGICAL AGENTS

### 3.1 CRONOBACTER

#### 3.1.1 Cronobacter in foodstuffs

##### 3.1.1.1 Cronobacter in food

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

Voluntary samples usually taken by a veterinarian for diagnostic purposes. In 2011, 3 samples of infant formula were analyzed for *Enterobacter sakazakii*. There were found no positive samples. In the years 2012-2015 no samples were analysed for Cronobacter.

### 3.2 HISTAMINE

#### 3.2.1 General evaluation of the national situation

##### 3.2.1.1 Histamine - general evaluation

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

In the period 2014-2015 no positive samples were detected.

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

In the period 2014-2015 no positive samples were detected.

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

In Romania, in the period 2014-2015 no positive samples were detected.

#### 3.2.2 Histamine in foodstuffs

##### 3.2.2.1 Histamine in food

#### Monitoring system

Methods of sampling (description of sampling techniques)

The samples were taken from the following fish species : Scombridae, Clupeidae, Engraulidae, Coryfenidae, Pomatomidae, Scombresosidae.

## Definition of positive finding

For fishery products manufactured/prepared from fish species associated with a high amount of histidine are sampled 9 units from which 2 units may have the values between 100 mg/kg - 200 mg/kg. For fishery products which have undergone enzyme maturation treatment in brine, manufactured/prepared from fish species associated with a high amount of histidine are sampled 9 units from which 2 units may have the values between 200 mg/kg - 400 mg/kg.

## Diagnostic/analytical methods used

HPLC AOAC JURNAL, vol.81, no. 5/1998

## Control program/mechanisms

### The control program/strategies in place

The Romanian Control Programme is a national programme, published in Romanian Official Journal as Order of the President of the National Sanitary Veterinary and Food Safety Authority, yearly updated which is according with the provisions of Regulation 2005/2073/EC (with subsequent amendments) in order to detect histamine.

## Notification system in place

Rapid Alert System for Food and Feed.

## Results of the investigation

In 2015, there were analyzed 116 samples from fish species and all samples had values less than 100 mg/kg.

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

In 2012, there were analyzed 155 samples from fish species and all samples had values less than 100 mg/kg (no positive samples were detected). In 2013, there were analyzed 170 samples from fish species and all samples had values less than 100 mg/kg (no positive samples were detected). In 2014, there were analyzed 124 samples from fish species and no positive samples were detected. In 2015, there were analyzed 116 samples from fish species and no positive samples were detected.

## 3.3 STAPHYLOCOCCAL ENTEROTOXINS

### 3.3.1 Staphylococcal enterotoxins in foodstuffs

#### 3.3.1.1 Staphylococcal enterotoxins in food

## Monitoring system

### Sampling strategy

According to The Romanian National Surveillance Programme published in Romanian Official Journal as Order of the President of the National Sanitary Veterinary and Food Safety Authority no 29/2014 (also the Order was applicable for 2015) which is according with the provisions of Regulation 2005/2073/EC (with subsequent amendments).

## Diagnostic/analytical methods used

The screening European method from EURL-CPS.

## Control program/mechanisms

### The control program/strategies in place

The Romanian National Surveillance Programme published in Romanian Official Journal as Order of the President of the National Sanitary Veterinary and Food Safety Authority, yearly updated which is according with the provisions of Regulation 2005/2073/EC (with subsequent amendments). Also in case of consumer complaints, suspicions or food borne outbreaks.

## Notification system in place

Rapid Alert System for Food and Feed.

## Results of the investigation

In 2015 were analyzed 79 samples and neither of them were found positive.

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

In 2011 were analyzed 51 samples, in 2012 were analyzed 186 samples; in both years, neither of these samples were found positive. In 2013 were analyzed 411 samples from which 1 was positive. In 2014 were analyzed 215 samples, from which 2 were positive (Staphylococcal enterotoxins D). In 2015 were analyzed 79 samples and neither of them were found positive.

## 4 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.

### 4.1 Outbreaks

#### 4.1.1 Foodborne outbreaks

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

Romanian National Programme for Surveillance of Zoonoses on 2015, Rapid Alert System for Food and Feed, National Sanitary Veterinary and Food Safety Authority Order no. 34/2006, which transposed Directive 2003/99/EC. The municipal public health authorities are responsible for detecting, preventing diseases related to food and water and for notifying to the other authorities involved. Ill persons and the overall epidemiological investigation are the responsibilities of the regional authorities (public health and veterinary public health authorities).

Description of the types of outbreaks covered by the reporting:

During 2015 there were 21 outbreaks, 3 episodes were weak-evidence and 18 episodes were with strong evidence, 397 people ill and 270 people hospitalized.

National evaluation of the reported outbreaks in the country:

Trends in numbers of outbreaks and numbers of human cases involved

In 2014 it recorded a total of 27 food borne outbreaks were reported, 6 episodes were weak-evidence and 21 episodes were with strong evidence, 379 people ill and 199 people hospitalized. In 2015 it recorded a total of 21 outbreaks, 18 episodes were with strong evidence and 3 episodes were weak-evidence, 397 people ill and 270 people hospitalized. The causative agent was confirmed in laboratory and also based on epidemiological investigation.

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

The causative agent, in the incriminated foodstuff, was confirmed in laboratory and also based on epidemiological investigation or epidemiological suspected. *Staphylococcus* was the most frequently identified agent in food borne disease outbreaks (7 episodes with 88 human cases and 39 people hospitalised); followed by *Salmonella* as the agent identified (6 episodes with 242 human cases and 194 people hospitalised) and *Trichinella* (3 episodes with 16 human cases and 7 people hospitalised). It did not register any deceased person in any outbreak.

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

Most of the outbreaks were reported to be linked to the public consumption (14 general FBO Type), followed by private household (6 household FBO Type) and 1 unknown FBO Type. The main types of foods involved in food borne disease outbreaks reported were: cheese; meat and products thereof (pig and poultry meat and products) and mixed food (food dishes). The most important factors contributing to food borne disease outbreaks reported were: infected food handler; contamination from uncontrolled meat consumption and cross-contamination.

Control measures or other actions taken to improve the situation

All the control measures are described in Romanian Surveillance Programme which is a national programme, published in Romanian Official Journal as Order of the President of the National Sanitary Veterinary and Food Safety Authority.



## ANIMAL POPULATION TABLES

Table Susceptible animal population

Animal species	Category of animals	Population			
		holding	animal	slaughter animal (heads)	herd/flock
Cattle (bovine animals)	Cattle (bovine animals) (not specified)	595,035	2,442,374	219,940	
Gallus gallus (fowl)	Gallus gallus (fowl) - broilers (not specified)	295	24,621,886	235,547,706	11,619
	Gallus gallus (fowl) - laying hens (not specified)	233	7,827,739		931
Geese	Geese - breeding flocks, unspecified - adult	50	1,639,986		518
Goats	Goats - animals over 1 year		1,924,494		
	Goats - animals under 1 year		3,439		
	Goats (not specified)	99,190	1,927,933	4,451	
Pigs	Pigs (not specified)	611,782	7,528,980	4,793,903	
Sheep	Sheep - animals over 1 year		12,531,762		
	Sheep - animals under 1 year (lambs)		59,954		
	Sheep (not specified)	189,768	12,591,716	741,975	
Solipeds, domestic	Solipeds, domestic (not specified)	358,995	455,614	21,004	
Turkeys	Turkeys - unspecified - before slaughter	15	587,383	1,466,116	320

## DISEASE STATUS TABLES

Table Ovine or Caprine brucellosis in countries and regions that do not receive Community co-financing for eradication programme

Region	Total number of herds	Number of infected herds	Number of herds with status officially free	Number of animals tested by microbiology under investigations of suspect cases	Number of seropositive animals under investigations of suspect cases	Number of suspended herds under investigations of suspect cases	Number of animals serologically tested under investigations of suspect cases	Number of infected herds tested under surveillance	Number of animals tested under surveillance	Number of herds tested under surveillance	Total number of animals
Romania	255,826	0	255,826	0	0	0	0	0	958,468	255,826	14,275,072
Bihor	2,971	0	2,971	0	0	0	0	0	26,474	2,971	485,700
Bistrita-Nasaud	10,052	0	10,052	0	0	0	0	0	23,248	10,052	467,479
Cluj	4,767	0	4,767	0	0	0	0	0	36,365	4,767	659,544
Maramures	5,992	0	5,992	0	0	0	0	0	17,075	5,992	292,730
Satu Mare	1,645	0	1,645	0	0	0	0	0	13,837	1,645	257,196
Salaj	2,618	0	2,618	0	0	0	0	0	2,077	2,618	356,387
Alba	6,290	0	6,290	0	0	0	0	0	21,218	6,290	406,411
Brasov	5,689	0	5,689	0	0	0	0	0	24,468	5,689	513,260
Covasna	6,987	0	6,987	0	0	0	0	0	11,674	6,987	253,904
Harghita	9,772	0	9,772	0	0	0	0	0	15,226	9,772	277,952
Mures	10,966	0	10,966	0	0	0	0	0	29,950	10,966	547,516
Sibiu	5,639	0	5,639	0	0	0	0	0	32,294	5,639	632,971
Bacau	8,323	0	8,323	0	0	0	0	0	16,402	8,323	288,428
Botosani	7,445	0	7,445	0	0	0	0	0	20,955	7,445	390,002
Iasi	5,456	0	5,456	0	0	0	0	0	23,796	5,456	386,000
Neamt	10,132	0	10,132	0	0	0	0	0	12,321	10,132	244,351
Suceava	5,707	0	5,707	0	0	0	0	0	15,492	5,707	274,513
Vaslui	7,669	0	7,669	0	0	0	0	0	24,035	7,669	302,230
Braila	5,865	0	5,865	0	0	0	0	0	19,645	5,865	276,893
Buzau	18,584	0	18,584	0	0	0	0	0	21,930	18,584	323,309
Constanta	4,909	0	4,909	0	0	0	0	0	27,506	4,909	495,702
Galati	1,315	0	1,315	0	0	0	0	0	21,232	1,315	392,682
Tulcea	2,224	0	2,224	0	0	0	0	0	16,740	2,224	408,446
Vrancea	7,721	0	7,721	0	0	0	0	0	13,397	7,721	235,029
Arges	7,164	0	7,164	0	0	0	0	0	11,957	7,164	219,793
Calarasi	6,293	0	6,293	0	0	0	0	0	9,315	6,293	205,351
Dambovita	3,202	0	3,202	0	0	0	0	0	5,439	3,202	85,655
Giurgiu	2,974	0	2,974	0	0	0	0	0	7,551	2,974	83,706
Ialomita	6,084	0	6,084	0	0	0	0	0	16,752	6,084	231,036
Prahova	13,528	0	13,528	0	0	0	0	0	23,713	13,528	272,786
Teleorman	8,166	0	8,166	0	0	0	0	0	12,749	8,166	243,934
Bucuresti	27	0	27	0	0	0	0	0	163	27	2,998
Ifov	224	0	224	0	0	0	0	0	2,397	224	32,494
Dolj	14,426	0	14,426	0	0	0	0	0	19,178	14,426	293,286



Region	Total number of herds	Number of infected herds	Number of herds with status officially free	Number of animals tested by microbiology under investigations of suspect cases	Number of seropositive animals under investigations of suspect cases	Number of suspended herds under investigations of suspect cases	Number of animals serologically tested under investigations of suspect cases	Number of infected herds tested under surveillance	Number of animals tested under surveillance	Number of herds tested under surveillance	Total number of animals
Gorj	2,244	0	2,244	0	0	0	0	0	13,209	2,244	168,793
Mehedinti	3,235	0	3,235	0	0	0	0	0	11,042	3,235	229,980
Olt	7,285	0	7,285	0	0	0	0	0	13,447	7,285	215,453
Valcea	3,412	0	3,412	0	0	0	0	0	6,683	3,412	129,977
Arad	3,559	0	3,559	0	0	0	0	0	46,140	3,559	657,173
Caras-Severin	5,269	0	5,269	0	0	0	0	0	14,790	5,269	224,979
Hunedoara	6,198	0	6,198	0	0	0	0	0	202,013	6,198	307,037
Timis	3,798	0	3,798	0	0	0	0	0	54,573	3,798	1,502,006

Table Bovine brucellosis in countries and regions that do not receive Community co-financing for eradication programme

Region	Total number of herds	Number of infected herds	Number of herds with status officially free	Number of animals positive in microbiological testing under investigations of suspect cases	Number of animals tested by microbiology under investigations of suspect cases	Number of animals positive to BST under investigations of suspect cases	Number of seropositive animals under investigations of suspect cases	Number of suspended herds under investigations of suspect cases	Number of animals serologically tested under investigations of suspect cases	Number of abortions due to Brucella abortus	Number of isolations of Brucella infections	Number of notified abortions whatever cause	Number of infected herds tested under surveillance by bulk milk	Number of animals or pools tested under surveillance by bulk milk	Number of herds tested under surveillance	Number of infected herds tested under surveillance	Number of animals tested under surveillance	Number of herds tested under surveillance	Total number of animals
Romania	600,937	0	600,937	0	3	0	5	5	5	0	0	18	0	66,698	456	0	1,281,289	600,481	2,313,367
Bihor	20,452	0	20,452	0	0	0	2	2	2	0	0	0	0	0	0	0	61,496	20,452	85,008
Bistrita-Nasaud	18,648	0	18,648	0	0	0	0	0	0	0	0	0	0	1,677	22	0	50,929	18,626	86,826
Cluj	13,161	0	13,161	0	0	0	0	0	0	0	0	2	0	2,381	38	0	40,643	13,123	66,682
Maramures	30,716	0	30,716	0	0	0	0	0	0	0	0	0	0	245	5	0	59,865	30,711	89,380
Satu Mare	11,611	0	11,611	0	0	0	0	0	0	0	0	2	0	0	0	0	29,102	11,611	46,174
Salaj	9,288	0	9,288	0	1	0	1	1	1	0	0	2	0	0	0	0	20,498	9,288	31,031
Alba	14,698	0	14,698	0	0	0	0	0	0	0	0	0	0	5,868	39	0	40,674	14,659	65,351
Brasov	10,167	0	10,167	0	0	0	0	0	0	0	0	0	0	0	0	0	47,372	10,167	65,328
Covasna	7,406	0	7,406	0	0	0	0	0	0	0	0	0	0	0	0	0	29,399	7,406	47,386
Harghita	16,315	0	16,315	0	0	0	0	0	0	0	0	1	0	0	0	0	62,109	16,315	87,133
Mures	12,393	0	12,393	0	0	0	0	0	0	0	0	2	0	6,225	54	0	45,663	12,339	84,270
Sibiu	5,852	0	5,852	0	0	0	0	0	0	0	0	2	0	1,754	32	0	25,750	5,820	50,168
Bacau	23,930	0	23,930	0	0	0	0	0	0	0	0	0	0	666	6	0	39,638	23,924	63,770
Botosani	30,401	0	30,401	0	0	0	0	0	0	0	0	0	0	989	14	0	64,660	30,387	124,755
Iasi	30,343	0	30,343	0	0	0	0	0	0	0	0	0	0	242	20	0	41,894	30,323	93,993
Neamt	27,297	0	27,297	0	0	0	0	0	0	0	0	1	0	949	16	0	45,337	27,281	82,114
Suceava	44,509	0	44,509	0	0	0	0	0	0	0	0	4	0	0	0	0	13,657	44,509	145,961
Vaslui	21,857	0	21,857	0	0	0	0	0	0	0	0	0	0	0	0	0	36,001	21,857	63,243
Braila	12,778	0	12,778	0	0	0	0	0	0	0	0	1	0	0	0	0	25,881	12,778	46,210
Buzau	18,513	0	18,513	0	0	0	0	0	0	0	0	0	0	1,869	10	0	33,448	18,503	60,475
Constanta	5,087	0	5,087	0	0	0	0	0	0	0	0	0	0	649	8	0	22,476	5,079	41,469
Galati	10,644	0	10,644	0	0	0	0	0	0	0	0	0	0	1,789	7	0	18,073	10,637	39,084
Tulcea	3,520	0	3,520	0	0	0	0	0	0	0	0	0	0	0	0	0	16,740	3,520	38,984
Vrancea	14,540	0	14,540	0	0	0	0	0	0	0	0	0	0	834	7	0	28,904	14,533	62,371
Arges	24,127	0	24,127	0	0	0	0	0	0	0	0	0	0	830	2	0	40,287	24,125	56,444
Calarasi	3,901	0	3,901	0	0	0	0	0	0	0	0	0	0	0	0	0	12,760	3,901	18,748
Dambovita	16,106	0	16,106	0	0	0	0	0	0	0	0	0	0	1,894	8	0	22,255	16,098	34,652
Giurgiu	6,427	0	6,427	0	0	0	0	0	0	0	0	0	0	4,352	6	0	8,653	6,421	17,157
Ialomita	7,328	0	7,328	0	1	0	1	1	1	0	0	0	0	2,650	10	0	14,662	7,318	30,415
Prahova	13,343	0	13,343	0	0	0	0	0	0	0	0	1	0	4,417	6	0	22,280	13,337	40,923
Teleorman	11,157	0	11,157	0	0	0	0	0	0	0	0	0	0	1,978	7	0	22,610	11,150	36,800
Bucuresti	32	0	32	0	0	0	0	0	0	0	0	0	0	0	0	0	157	32	265
Ilfov	1,200	0	1,200	0	0	0	0	0	0	0	0	0	0	1,042	10	0	2,859	1,190	6,759
Dolj	11,927	0	11,927	0	0	0	0	0	0	0	0	0	0	744	5	0	24,122	11,922	40,351
Gorj	14,221	0	14,221	0	0	0	0	0	0	0	0	0	0	0	0	0	30,102	14,221	51,699
Mehedinti	10,683	0	10,683	0	0	0	0	0	0	0	0	0	0	95	5	0	27,310	10,678	38,530

Region	Total number of herds	Number of infected herds	Number of herds with status officially free	Number of animals positive in microbiological testing under investigations of suspect cases	Number of animals tested by microbiology under investigations of suspect cases	Number of animals positive to BST under investigations of suspect cases	Number of seropositive animals under investigations of suspect cases	Number of suspended herds under investigations of suspect cases	Number of animals serologically tested under investigations of suspect cases	Number of abortions due to Brucella abortus	Number of isolations of Brucella infections	Number of notified abortions whatever cause	Number of infected herds tested under surveillance by bulk milk	Number of animals or pools tested under surveillance by bulk milk	Number of herds tested under surveillance by bulk milk	Number of infected herds tested under surveillance	Number of animals tested under surveillance	Number of herds tested under surveillance	Total number of animals
Olt	13,497	0	13,497	0	0	0	0	0	0	0	0	0	0	282	3	0	21,076	13,494	35,407
Valcea	16,097	0	16,097	0	0	0	0	0	0	0	0	0	0	0	0	0	27,347	16,097	49,115
Arad	8,639	0	8,639	0	0	0	0	0	0	0	0	0	0	7,968	24	0	27,575	8,615	55,350
Caras-Severin	9,874	0	9,874	0	1	0	1	1	1	0	0	0	0	0	0	0	22,870	9,874	34,660
Hunedoara	11,378	0	11,378	0	0	0	0	0	0	0	0	0	0	3,017	8	0	28,856	11,370	47,028
Timis	6,874	0	6,874	0	0	0	0	0	0	0	0	0	0	11,292	84	0	25,299	6,790	51,898

## DISEASE STATUS TABLES

Table Bovine tuberculosis in countries and regions that do not receive Community co-financing for eradication programme

Region	Total number of herds	Number of infected herds	Number of herds with status officially free	Number of animals detected positive in bacteriological examination	Number of animals with suspicious lesions of tuberculosis examined and submitted to histopathological and bacteriological examinations	Number of tuberculin tests carried out before the introduction into the herds	Number of animals tested with tuberculin routine testing	Interval between routine tuberculin tests	Total number of animals
Romania	600,937	36	600,901	241	460	0	2,078,257	12	2,313,367
Bihor	20,452	4	20,448	7	35	0	62,434	12	85,008
Bistrita-Nasaud	18,648	0	18,648	0	19	0	78,369	12	86,826
Cluj	13,161	0	13,161	0	0	0	63,168	12	66,682
Maramures	30,716	4	30,712	15	30	0	85,866	12	89,380
Satu Mare	11,611	7	11,604	170	244	0	44,627	12	46,174
Salaj	9,288	9	9,279	10	16	0	29,497	12	31,031
Alba	14,698	1	14,697	1	1	0	57,001	12	65,351
Brasov	10,167	0	10,167	0	0	0	63,107	12	65,328
Covasna	7,406	0	7,406	0	3	0	36,780	12	47,386
Harghita	16,315	0	16,315	0	0	0	86,115	12	87,133
Mures	12,393	0	12,393	0	4	0	75,945	12	84,270
Sibiu	5,852	0	5,852	0	0	0	42,515	12	50,168
Bacau	23,930	0	23,930	0	0	0	58,150	12	63,770
Botosani	30,401	3	30,398	9	36	0	101,956	12	124,755
Iasi	30,343	0	30,343	0	0	0	77,955	12	93,993
Neamt	27,297	0	27,297	0	1	0	70,741	12	82,114
Suceava	44,509	0	44,509	0	0	0	131,775	12	145,961
Vaslui	21,857	2	21,855	2	2	0	60,649	12	63,243
Braila	12,778	0	12,778	0	7	0	44,085	12	46,210
Buzau	18,513	0	18,513	0	0	0	57,553	12	60,475
Constanta	5,087	3	5,084	23	42	0	41,469	12	41,469
Galati	10,644	0	10,644	0	0	0	34,075	12	39,084
Tulcea	3,520	0	3,520	0	1	0	24,447	12	38,984
Vrancea	14,540	0	14,540	0	0	0	61,546	12	62,371
Arges	24,127	0	24,127	0	0	0	55,199	12	56,444
Calarasi	3,901	0	3,901	0	0	0	18,048	12	18,748
Dambovita	16,106	0	16,106	0	0	0	33,213	12	34,652
Giurgiu	6,427	0	6,427	0	0	0	15,383	12	17,157
Ialomita	7,328	0	7,328	0	2	0	28,034	12	30,415
Prahova	13,343	0	13,343	0	0	0	33,386	12	40,923
Teleorman	11,157	1	11,156	1	4	0	33,130	12	36,800

<b>Region</b>	<b>Total number of herds</b>	<b>Number of infected herds</b>	<b>Number of herds with status officially free</b>	<b>Number of animals detected positive in bacteriological examination</b>	<b>Number of animals with suspicious lesions of tuberculosis examined and submitted to histopathological and bacteriological examinations</b>	<b>Number of tuberculin tests carried out before the introduction into the herds</b>	<b>Number of animals tested with tuberculin routine testing</b>	<b>Interval between routine tuberculin tests</b>	<b>Total number of animals</b>
Bucuresti	32	0	32	0	0	0	265	12	265
Ifov	1,200	0	1,200	0	0	0	6,384	12	6,759
Dolj	11,927	1	11,926	1	1	0	32,141	12	40,351
Gorj	14,221	0	14,221	0	0	0	47,070	12	51,699
Mehedinti	10,683	0	10,683	0	0	0	36,810	12	38,530
Olt	13,497	0	13,497	0	0	0	34,588	12	35,407
Valcea	16,097	0	16,097	0	0	0	44,556	12	49,115
Arad	8,639	1	8,638	2	2	0	52,563	12	55,350
Caras-Severin	9,874	0	9,874	0	10	0	31,144	12	34,660
Hunedoara	11,378	0	11,378	0	0	0	45,745	12	47,028
Timis	6,874	0	6,874	0	0	0	40,773	12	51,898

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
Romania	Bison - farmed - Natural habitat - Romania - animal sample - blood - Surveillance - Official sampling - Objective sampling	animal	46	0	Brucella	0
	Bison - wild - Natural habitat - Romania - animal sample - blood - Surveillance - Official sampling - Objective sampling	animal	36	0	Brucella	0
	Bison - wild - Natural habitat - Romania - animal sample - blood - Surveillance - Official sampling - Objective sampling	animal	169	0	Brucella	0
	Camels (not specified) - Natural habitat - Romania - animal sample - blood - Surveillance - Official sampling - Objective sampling	animal	4	0	Brucella	0
	Camels (not specified) - Natural habitat - Romania - animal sample - blood - Surveillance - Official sampling - Objective sampling	animal	4	0	Brucella	0
	Dogs - pet animals - Farm (not specified) - Romania - animal sample - blood - Clinical investigations - Official sampling - Objective sampling	animal	13	7	Brucella - B. canis	7
	Dogs - pet animals - Farm (not specified) - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	1	1	Brucella - B. canis	1
	Lamas (not specified) - Natural habitat - Romania - animal sample - blood - Surveillance - Official sampling - Objective sampling	animal	3	0	Brucella	0
	Lamas (not specified) - Natural habitat - Romania - animal sample - blood - Surveillance - Official sampling - Objective sampling	animal	4	0	Brucella	0
	Mouflons (not specified) - Natural habitat - Romania - animal sample - blood - Surveillance - Official sampling - Objective sampling	animal	6	0	Brucella	0
	Mouflons (not specified) - Natural habitat - Romania - animal sample - blood - Surveillance - Official sampling - Objective sampling	animal	17	0	Brucella	0
	Pigs (not specified) - Farm (not specified) - Romania - animal sample - blood - Surveillance - Official sampling - Objective sampling	animal	37314	47	Brucella	47
	Pigs (not specified) - Farm (not specified) - Romania - animal sample - blood - Surveillance - Official sampling - Objective sampling	animal	39327	32	Brucella	32
	Pigs (not specified) - Farm (not specified) - Romania - animal sample - blood - Surveillance - Official sampling - Objective sampling	animal	34	0	Brucella	0
	Wild animals - Natural habitat - Romania - animal sample - blood - Surveillance - Official sampling - Objective sampling	animal	1	0	Brucella	0
	Wild animals - Natural habitat - Romania - animal sample - blood - Surveillance - Official sampling - Objective sampling	animal	18	0	Brucella	0
	Wild boars (not specified) - Hunting - Romania - animal sample - blood - Surveillance - Official sampling - Objective sampling	animal	415	2	Brucella - Brucella spp., unspecified	2
	Wild boars (not specified) - Hunting - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	220	0	Brucella - Brucella spp., unspecified	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
Bihor	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample (not specified) - Surveillance - Industry sampling - Objective sampling	animal	428	0	Campylobacter - C. fetus - C. fetus subsp. fetus	0
Bistrita-Nasaud	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Clinical investigations - Industry sampling - Suspect sampling	animal	1	0	Campylobacter - C. fetus - C. fetus subsp. fetus	0
	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample (not specified) - Surveillance - Industry sampling - Objective sampling	animal	223	0	Campylobacter - C. fetus - C. fetus subsp. fetus	0
	Sheep (not specified) - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Clinical investigations - Industry sampling - Suspect sampling	animal	3	0	Campylobacter - C. fetus - C. fetus subsp. fetus	0
Cluj	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample (not specified) - Surveillance - Industry sampling - Objective sampling	animal	1056	0	Campylobacter - C. fetus - C. fetus subsp. fetus	0
Maramures	Pigs (not specified) - Farm (not specified) - Romania - animal sample (not specified) - Surveillance - Industry sampling - Objective sampling	animal	3	0	Campylobacter - C. fetus - C. fetus subsp. fetus	0
Salaj	Pigs (not specified) - Farm (not specified) - Romania - animal sample (not specified) - Surveillance - Industry sampling - Objective sampling	animal	7	0	Campylobacter - C. fetus - C. fetus subsp. fetus	0
Alba	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample (not specified) - Surveillance - Industry sampling - Objective sampling	animal	117	0	Campylobacter - C. fetus - C. fetus subsp. fetus	0
	Goats - animals over 1 year - Farm (not specified) - Romania - animal sample - caecum - Clinical investigations - Industry sampling - Suspect sampling	animal	1	1	Campylobacter - C. coli	1
	Goats - animals over 1 year - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Clinical investigations - Industry sampling - Suspect sampling	animal	2	0	Campylobacter - C. fetus - C. fetus subsp. fetus	0
	Sheep - animals under 1 year (lambs) - Farm (not specified) - Romania - animal sample - caecum - Clinical investigations - Industry sampling - Suspect sampling	animal	1	1	Campylobacter - C. coli	1
	Sheep (not specified) - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Clinical investigations - Industry sampling - Suspect sampling	animal	5	2	Campylobacter - C. jejuni	2
Covasna	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample - vaginal swab - Surveillance - Industry sampling - Objective sampling	animal	208	0	Campylobacter - C. fetus - C. fetus subsp. fetus	0
Harghita	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample (not specified) - Surveillance - Industry sampling - Objective sampling	animal	264	0	Campylobacter - C. fetus - C. fetus subsp. fetus	0
Mures	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample (not specified) - Surveillance - Industry sampling - Objective sampling	animal	129	0	Campylobacter - C. fetus - C. fetus subsp. fetus	0
	Sheep (not specified) - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Clinical investigations - Industry sampling - Suspect sampling	animal	1	1	Campylobacter - C. jejuni	1
Sibiu	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample (not specified) - Surveillance - Industry sampling - Objective sampling	animal	1334	0	Campylobacter - C. fetus - C. fetus subsp. fetus	0
Botosani	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample - vaginal swab - Surveillance - Industry sampling - Objective sampling	animal	1	0	Campylobacter - C. fetus - C. fetus subsp. fetus	0
Iasi	Cattle (bovine animals) - calves (under 1 year) (not specified) - Farm (not specified) - Romania - animal sample - faeces - Surveillance - Industry sampling - Objective sampling	animal	86	11	Campylobacter - C. coli	2
					Campylobacter - C. jejuni	9
Suceava	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample (not specified) - Surveillance - Industry sampling - Objective sampling	animal	56	0	Campylobacter - C. fetus - C. fetus subsp. fetus	0
	Sheep (not specified) - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Clinical investigations - Industry sampling - Suspect sampling	animal	3	2	Campylobacter - C. jejuni	2
Vaslui	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample (not specified) - Surveillance - Industry sampling - Objective sampling	animal	1	0	Campylobacter - C. fetus - C. fetus subsp. fetus	0
Dambovita	Goats - animals over 1 year - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Clinical investigations - Industry sampling - Suspect sampling	animal	1	0	Campylobacter - C. fetus - C. fetus subsp. fetus	0
Giurgiu	Sheep (not specified) - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Clinical investigations - Industry sampling - Suspect sampling	animal	1	1	Campylobacter - C. fetus - C. fetus subsp. fetus	1

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
Dolj	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample (not specified) - Surveillance - Industry sampling - Objective sampling	animal	14	0	Campylobacter - C. fetus - C. fetus subsp. fetus	0
Arad	Buffalos (not specified) - Farm (not specified) - Romania - animal sample (not specified) - Surveillance - Industry sampling - Objective sampling	animal	2	0	Campylobacter - C. fetus - C. fetus subsp. fetus	0
	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample (not specified) - Surveillance - Industry sampling - Objective sampling	animal	96	0	Campylobacter - C. fetus - C. fetus subsp. fetus	0



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
Romania	Meat from broilers (Gallus gallus) - carcass (not specified) - Slaughterhouse - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	15	4	Campylobacter - C. coli	3
							Campylobacter - C. jejuni	1
	Meat from broilers (Gallus gallus) - fresh - skinned - Slaughterhouse - Romania - food sample (not specified) - Surveillance - HACCP and own check - Selective sampling	batch	25	Gram	2	0	Campylobacter - Campylobacter spp., unspecified	0
	Meat from broilers (Gallus gallus) - fresh (not specified) - Cutting plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Selective sampling	batch	25	Gram	1	1	Campylobacter - C. jejuni	1
	Meat from pig - fresh (not specified) - Slaughterhouse - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	12	0	Campylobacter - Campylobacter spp., unspecified	0
Other processed food products and prepared dishes (not specified) - Catering (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	13	0	Campylobacter - Campylobacter spp., unspecified	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
Romania	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample - blood - Surveillance - Official sampling - Objective sampling	animal	5	0		Coxiella (Q-fever)	0
	Sheep (not specified) - Farm (not specified) - Romania - animal sample - blood - Surveillance - Official sampling - Objective sampling	animal	19	0		Coxiella (Q-fever)	0

Table ECHI NOCOCCUS 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
Romania	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - - Surveillance - Official sampling - Objective sampling	animal	305	147	Echinococcus	147
	Dogs (not specified) - Farm (not specified) - Romania - - Surveillance - Official sampling - Objective sampling	animal	59	0	Echinococcus	0
	Goats (not specified) - Farm (not specified) - Romania - - Surveillance - Official sampling - Objective sampling	animal	2	0	Echinococcus	0
	Pigs (not specified) - Farm (not specified) - Romania - - Surveillance - Official sampling - Objective sampling	animal	7	2	Echinococcus	2
	Sheep (not specified) - Farm (not specified) - Romania - - Surveillance - Official sampling - Objective sampling	animal	14	0	Echinococcus	0
Bihor	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	2	0	Echinococcus	0
	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	5	5	Echinococcus	5
	Sheep (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	4	0	Echinococcus	0
Bistrita-Nasaud	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	52	0	Echinococcus	0
	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	68	68	Echinococcus	68
Cluj	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	5	2	Echinococcus	2
	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	22	22	Echinococcus	22
Maramures	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	4	0	Echinococcus	0
	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	4	4	Echinococcus	4
Satu Mare	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	33	0	Echinococcus	0
Salaj	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	1	0	Echinococcus	0
Alba	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	1	0	Echinococcus	0
	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	1	1	Echinococcus	1
Brasov	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	1	0	Echinococcus	0
Harghita	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	7	1	Echinococcus	1
	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	11	11	Echinococcus	11
Mures	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	4	0	Echinococcus	0
	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	26	26	Echinococcus	26
Sibiu	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	1	0	Echinococcus	0
Bacau	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	3	0	Echinococcus	0
Botosani	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	13	1	Echinococcus	1
Iasi	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	3	0	Echinococcus	0

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
Neamt	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	2	0	Echinococcus	0
	Dogs (not specified) - Veterinary clinics - Romania - animal sample - faeces - Clinical investigations - Official sampling - Objective sampling	animal	19	0	Echinococcus	0
	Goats (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	1	0	Echinococcus	0
	Sheep (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	2	0	Echinococcus	0
Suceava	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	14	1	Echinococcus	1
Vaslui	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	2	0	Echinococcus	0
	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	1	1	Echinococcus	1
Braila	Dogs (not specified) - Veterinary clinics - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	5	0	Echinococcus	0
	Dogs (not specified) - Zoo - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	1	0	Echinococcus	0
	Pigs (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	2	0	Echinococcus	0
	Pigs (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	1	0	Echinococcus	0
Buzau	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	3	0	Echinococcus	0
Galati	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	2	0	Echinococcus	0
Tulcea	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	5	0	Echinococcus	0
	Dogs (not specified) - Veterinary clinics - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	1	0	Echinococcus	0
	Goats (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	1	0	Echinococcus	0
	Pigs (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	1	1	Echinococcus	1
	Sheep (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	6	0	Echinococcus	0
Vrancea	Pigs (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	2	0	Echinococcus	0
	Sheep (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	1	0	Echinococcus	0
Arges	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	3	0	Echinococcus	0
	Sheep (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	1	0	Echinococcus	0
Bucuresti - Ilfov	Pigs (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	1	1	Echinococcus	1
Arad	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	2	1	Echinococcus	1
	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	2	2	Echinococcus	2
	Dogs (not specified) - Farm (not specified) - Romania - animal sample - faeces - Clinical investigations - Official sampling - Objective sampling	animal	1	0	Echinococcus	0
Hunedoara	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	1	1	Echinococcus	1
	Dogs (not specified) - Farm (not specified) - Romania - animal sample - faeces - Clinical investigations - Official sampling - Objective sampling	animal	32	0	Echinococcus	0
Timis	Cattle (bovine animals) (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	1	0	Echinococcus	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
Romania	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	4	0	>100 to <= 200	Histamine	0	0
							<= 100	Histamine	0	0
							<=200	Histamine	0	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	74	0	>100 to <= 200	Histamine	0	0
							<= 100	Histamine	0	0
							<=200	Histamine	0	0
	Fish - Fishery products which have undergone enzyme maturation treatment in brine - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	3	0	>200 to <= 400	Histamine	0	0
							> 400	Histamine	0	0
							>200	Histamine	0	0
	Fish - Fishery products which have undergone enzyme maturation treatment in brine - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	35	0	>200 to <= 400	Histamine	0	0
							> 400	Histamine	0	0
							>200	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
Bistrita-Nasaud	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample - brain - Clinical investigations - Industry sampling - Suspect sampling	animal	1	1	Listeria - L. monocytogenes	1
Satu Mare	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample - brain - Clinical investigations - Industry sampling - Suspect sampling	animal	1	1	Listeria - L. monocytogenes	1
Alba	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample - brain - Clinical investigations - Industry sampling - Suspect sampling	animal	1	1	Listeria - L. monocytogenes	1
	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample - milk - Clinical investigations - Industry sampling - Suspect sampling	animal	14	1	Listeria - L. monocytogenes	1
	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Clinical investigations - Industry sampling - Suspect sampling	animal	2	0	Listeria - L. monocytogenes	0
	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample - vaginal swab - Clinical investigations - Industry sampling - Suspect sampling	animal	1	0	Listeria - L. monocytogenes	0
	Chinchillas (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Clinical investigations - Industry sampling - Suspect sampling	animal	1	0	Listeria - L. monocytogenes	0
	Goats (not specified) - Farm (not specified) - Romania - animal sample - milk - Clinical investigations - Industry sampling - Suspect sampling	animal	1	0	Listeria - L. monocytogenes	0
	Goats (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Clinical investigations - Industry sampling - Suspect sampling	animal	6	1	Listeria - L. ivanovii	1
					Listeria - L. monocytogenes	0
	Pigs (not specified) - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Clinical investigations - Industry sampling - Suspect sampling	animal	3	0	Listeria - L. monocytogenes	0
	Sheep (not specified) - Farm (not specified) - Romania - animal sample - brain - Clinical investigations - Industry sampling - Suspect sampling	animal	1	1	Listeria - L. innocua	1
	Sheep (not specified) - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Clinical investigations - Industry sampling - Suspect sampling	animal	5	2	Listeria - L. ivanovii	1
					Listeria - L. monocytogenes	0
					Listeria - L. welshimeri	1
	Sheep (not specified) - Farm (not specified) - Romania - animal sample - milk - Clinical investigations - Industry sampling - Suspect sampling	animal	1	0	Listeria - L. monocytogenes	0
Sheep (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Clinical investigations - Industry sampling - Suspect sampling	animal	14	0	Listeria - L. monocytogenes	0	
Covasna	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample - brain - Clinical investigations - Industry sampling - Suspect sampling	animal	1	1	Listeria - L. innocua	1
Mures	Goats (not specified) - Farm (not specified) - Romania - animal sample - brain - Clinical investigations - Industry sampling - Suspect sampling	animal	4	2	Listeria - L. monocytogenes	2
	Goats (not specified) - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Clinical investigations - Industry sampling - Suspect sampling	animal	1	1	Listeria - L. monocytogenes	1
	Monkeys - zoo animal - Zoo - Romania - animal sample - organ/tissue - Clinical investigations - Industry sampling - Suspect sampling	animal	2	0	Listeria - L. monocytogenes	0
	Sheep (not specified) - Farm (not specified) - Romania - animal sample - brain - Clinical investigations - Industry sampling - Suspect sampling	animal	6	2	Listeria - L. monocytogenes	2
	Tiger - zoo animals - Zoo - Romania - animal sample - organ/tissue - Clinical investigations - Industry sampling - Suspect sampling	animal	1	0	Listeria - L. monocytogenes	0
Botosani	Goats (not specified) - Farm (not specified) - Romania - animal sample - brain - Clinical investigations - Industry sampling - Suspect sampling	animal	2	2	Listeria - L. monocytogenes	2
Iasi	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Clinical investigations - Industry sampling - Suspect sampling	animal	5	2	Listeria - L. grayi	2
	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Clinical investigations - Industry sampling - Suspect sampling	animal	4	1	Listeria - L. grayi	1
	Chinchillas (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Clinical investigations - Industry sampling - Suspect sampling	animal	1	0	Listeria - L. monocytogenes	0
	Dogs (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Clinical investigations - Industry sampling - Suspect sampling	animal	1	0	Listeria - L. monocytogenes	0
	Dogs (not specified) - Farm (not specified) - Romania - animal sample - vaginal swab - Clinical investigations - Industry sampling - Suspect sampling	animal	1	0	Listeria - L. monocytogenes	0
	Goats (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Clinical investigations - Industry sampling - Suspect sampling	animal	1	0	Listeria - L. monocytogenes	0

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
Iasi	Sheep (not specified) - Farm (not specified) - Romania - animal sample - brain - Clinical investigations - Industry sampling - Suspect sampling	animal	1	1	Listeria - L. monocytogenes	1
	Sheep (not specified) - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Clinical investigations - Industry sampling - Suspect sampling	animal	12	0	Listeria - L. monocytogenes	0
	Sheep (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Clinical investigations - Industry sampling - Suspect sampling	animal	3	1	Listeria - L. grayi	1
Neamt	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Clinical investigations - Industry sampling - Suspect sampling	animal	1	0	Listeria - L. monocytogenes	0
	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample (not specified) - Surveillance - Industry sampling - Objective sampling	animal	33	0	Listeria - L. monocytogenes	0
	Goats (not specified) - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Clinical investigations - Industry sampling - Suspect sampling	animal	1	1	Listeria - L. monocytogenes	1
	Goats (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Clinical investigations - Industry sampling - Suspect sampling	animal	1	1	Listeria - L. monocytogenes	1
	Pigs (not specified) - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Clinical investigations - Industry sampling - Suspect sampling	animal	2	0	Listeria - L. monocytogenes	0
	Pigs (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Clinical investigations - Industry sampling - Suspect sampling	animal	1	0	Listeria - L. monocytogenes	0
	Pigs (not specified) - Farm (not specified) - Romania - animal sample - placental swab - Clinical investigations - Industry sampling - Suspect sampling	animal	2	0	Listeria - L. monocytogenes	0
	Pigs (not specified) - Farm (not specified) - Romania - animal sample - vaginal swab - Clinical investigations - Industry sampling - Suspect sampling	animal	7	0	Listeria - L. monocytogenes	0
	Pigs (not specified) - Farm (not specified) - Romania - animal sample (not specified) - Surveillance - Industry sampling - Objective sampling	animal	2	0	Listeria - L. monocytogenes	0
Braila	Sheep (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Clinical investigations - Industry sampling - Suspect sampling	animal	3	0	Listeria - L. monocytogenes	0
Buzau	Goats (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Clinical investigations - Industry sampling - Suspect sampling	animal	3	3	Listeria - L. monocytogenes	3
	Sheep (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Clinical investigations - Industry sampling - Suspect sampling	animal	4	4	Listeria - L. monocytogenes	4
Vrancea	Sheep (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Clinical investigations - Industry sampling - Suspect sampling	animal	1	0	Listeria - L. monocytogenes	0
Dambovit	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample - milk - Clinical investigations - Industry sampling - Suspect sampling	animal	2	0	Listeria - L. monocytogenes	0
	Goats (not specified) - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Clinical investigations - Industry sampling - Suspect sampling	animal	2	1	Listeria - L. monocytogenes	1
	Goats (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Clinical investigations - Industry sampling - Suspect sampling	animal	1	0	Listeria - L. monocytogenes	0
	Sheep (not specified) - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Clinical investigations - Industry sampling - Suspect sampling	animal	1	0	Listeria - L. monocytogenes	0
Giurgiu	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample - milk - Clinical investigations - Industry sampling - Suspect sampling	animal	4	0	Listeria - L. monocytogenes	0
Prahova	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Clinical investigations - Industry sampling - Suspect sampling	animal	1	1	Listeria - L. ivanovii	1
	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Clinical investigations - Industry sampling - Suspect sampling	animal	1	1	Listeria - L. monocytogenes	1
Teleorman	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample - milk - Clinical investigations - Industry sampling - Suspect sampling	animal	7	0	Listeria - L. monocytogenes	0
Bucuresti - Ilfov	Cattle (bovine animals) (not specified) - Farm (not specified) - Romania - animal sample - milk - Clinical investigations - Industry sampling - Suspect sampling	animal	1	0	Listeria - L. monocytogenes	0
	Sheep (not specified) - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Clinical investigations - Industry sampling - Suspect sampling	animal	2	1	Listeria - L. monocytogenes	1
Caras-Severin	Sheep (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Clinical investigations - Industry sampling - Suspect sampling	animal	1	0	Listeria - L. monocytogenes	0

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
Hunedoara	Goats (not specified) - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Clinical investigations - Industry sampling - Suspect sampling	animal	1	0	Listeria - L. monocytogenes	0
	Sheep (not specified) - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Clinical investigations - Industry sampling - Suspect sampling	animal	1	0	Listeria - L. monocytogenes	0
Timis	Solipeds, domestic - horses - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Clinical investigations - Industry sampling - Suspect sampling	animal	1	0	Listeria - L. monocytogenes	0



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
Romania	Bakery products - cakes (not specified) - Catering (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	8	0	>100	Listeria - L. monocytogenes	7	0
							<= 100	Listeria - L. monocytogenes	7	0
	Bakery products - cakes (not specified) - Catering (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	8	0	detection	Listeria - L. monocytogenes	1	0
	Bakery products - cakes (not specified) - Catering (not specified) - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	3	0	>100	Listeria - L. monocytogenes	3	0
							<= 100	Listeria - L. monocytogenes	3	0
	Bakery products - cakes (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	44	0	detection	Listeria - L. monocytogenes	44	0
	Bakery products - cakes (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	5	0	detection	Listeria - L. monocytogenes	5	0
	Bakery products - cakes (not specified) - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	37	0	>100	Listeria - L. monocytogenes	37	0
							<= 100	Listeria - L. monocytogenes	37	0
	Bakery products - cakes (not specified) - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	5	0	>100	Listeria - L. monocytogenes	5	0
							<= 100	Listeria - L. monocytogenes	5	0
	Bakery products - pastry (not specified) - Catering (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	4	0	detection	Listeria - L. monocytogenes	4	0
	Bakery products - pastry (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	79	0	>100	Listeria - L. monocytogenes	16	0
							<= 100	Listeria - L. monocytogenes	16	0
	Bakery products - pastry (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	79	0	detection	Listeria - L. monocytogenes	79	0
	Bakery products - pastry (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	10	0	detection	Listeria - L. monocytogenes	10	0
	Bakery products - pastry (not specified) - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	188	0	>100	Listeria - L. monocytogenes	188	0
							<= 100	Listeria - L. monocytogenes	188	0
	Bakery products - pastry (not specified) - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	27	0	>100	Listeria - L. monocytogenes	27	0
							<= 100	Listeria - L. monocytogenes	27	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	285	0	>100	Listeria - L. monocytogenes	36	0
							<= 100	Listeria - L. monocytogenes	36	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	285	0	detection	Listeria - L. monocytogenes	249	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	6	0	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	6	0	detection	Listeria - L. monocytogenes	6	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	60	1	>100	Listeria - L. monocytogenes	60	1
							<= 100	Listeria - L. monocytogenes	60	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	batch	10	Gram	1	0	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	0
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	22	0	detection	Listeria - L. monocytogenes	22	0
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	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
Romania	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	9	0	>100	Listeria - L. monocytogenes	9	0
							<= 100	Listeria - L. monocytogenes	9	0
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	1	0	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	0
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Selective sampling	batch	10	Gram	16	0	>100	Listeria - L. monocytogenes	16	0
							<= 100	Listeria - L. monocytogenes	16	0
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	batch	10	Gram	1	0	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Catering (not specified) - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	1	0	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	247	0	>100	Listeria - L. monocytogenes	32	0
							<= 100	Listeria - L. monocytogenes	32	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	247	0	detection	Listeria - L. monocytogenes	215	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	2	0	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	detection	Listeria - L. monocytogenes	1	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	10	0	>100	Listeria - L. monocytogenes	10	0
							<= 100	Listeria - L. monocytogenes	10	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	42	0	>100	Listeria - L. monocytogenes	42	0
							<= 100	Listeria - L. monocytogenes	42	0
	Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Farm (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	18	0	>100	Listeria - L. monocytogenes	5	0
							<= 100	Listeria - L. monocytogenes	5	0
Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Farm (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	18	0	detection	Listeria - L. monocytogenes	18	0	
Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Farm (not specified) - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	1	0	>100	Listeria - L. monocytogenes	1	0	
						<= 100	Listeria - L. monocytogenes	1	0	
Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	96	0	detection	Listeria - L. monocytogenes	96	0	
Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	5	0	detection	Listeria - L. monocytogenes	5	0	
Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	batch	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0	
Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	12	0	>100	Listeria - L. monocytogenes	12	0	
						<= 100	Listeria - L. monocytogenes	12	0	
Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	9	0	>100	Listeria - L. monocytogenes	9	0	
						<= 100	Listeria - L. monocytogenes	9	0	

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Romania	Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Selective sampling	batch	10	Gram	3	0	>100	Listeria - L. monocytogenes	3	0
							<= 100	Listeria - L. monocytogenes	3	0
	Cheeses made from goats' milk - hard - made from pasteurised milk - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	11	0	detection	Listeria - L. monocytogenes	11	0
							detection	Listeria - L. monocytogenes	1	0
	Cheeses made from goats' milk - hard - made from raw or low heat-treated milk - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
							detection	Listeria - L. monocytogenes	1	0
	Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	4	0	detection	Listeria - L. monocytogenes	4	0
							detection	Listeria - L. monocytogenes	1	0
	Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	1	0	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	0
	Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Farm (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
							detection	Listeria - L. monocytogenes	4	0
	Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	8	0	>100	Listeria - L. monocytogenes	8	0
							<= 100	Listeria - L. monocytogenes	8	0
	Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	1	0	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	0
	Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Selective sampling	batch	10	Gram	1	0	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	0
	Cheeses made from sheep's milk - hard - made from pasteurised milk - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
							detection	Listeria - L. monocytogenes	1	0
	Cheeses made from sheep's milk - hard - made from pasteurised milk - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
							detection	Listeria - L. monocytogenes	37	0
	Cheeses made from sheep's milk - hard - made from pasteurised milk - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	37	0	>100	Listeria - L. monocytogenes	37	0
<= 100							Listeria - L. monocytogenes	37	0	
Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Farm (not specified) - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	detection	Listeria - L. monocytogenes	3	0	
						detection	Listeria - L. monocytogenes	1	0	
Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0	
						detection	Listeria - L. monocytogenes	4	0	
Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	4	0	>100	Listeria - L. monocytogenes	4	0	
						<= 100	Listeria - L. monocytogenes	4	0	
Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	batch	10	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 - made from pasteurised milk - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	9	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
Romania	Cheeses made from sheep's milk - soft and semi-soft - made from pasteurised milk - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	9	0	detection	Listeria - L. monocytogenes	8	0
	Cheeses made from sheep's milk - soft and semi-soft - made from pasteurised milk - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	15	0	>100	Listeria - L. monocytogenes	15	0
<= 100							Listeria - L. monocytogenes	15	0	
	Cheeses made from sheep's milk - soft and semi-soft - made from pasteurised milk - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	batch	10	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 - made from raw or low heat-treated milk - Farm (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - 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 raw or low heat-treated milk - Farm (not specified) - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	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 - made from raw or low heat-treated milk - Packing centre (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	6	0	>100	Listeria - L. monocytogenes	6	0
<= 100							Listeria - L. monocytogenes	6	0	
	Cheeses made from sheep's milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	17	0	>100	Listeria - L. monocytogenes	2	0
<= 100							Listeria - L. monocytogenes	2	0	
	Cheeses made from sheep's milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	17	0	detection	Listeria - L. monocytogenes	15	0
	Cheeses made from sheep's milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Romania - 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 raw or low heat-treated milk - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	3	0	>100	Listeria - L. monocytogenes	3	0
<= 100							Listeria - L. monocytogenes	3	0	
	Cheeses made from sheep's milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	1	0	>100	Listeria - L. monocytogenes	1	0
<= 100							Listeria - L. monocytogenes	1	0	
	Dairy products (excluding cheeses) - butter - made from pasteurised milk - Packing centre (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	11	0	detection	Listeria - L. monocytogenes	11	0
	Dairy products (excluding cheeses) - butter - made from pasteurised milk - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	13	0	detection	Listeria - L. monocytogenes	13	0
	Dairy products (excluding cheeses) - butter - made from pasteurised milk - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	batch	25	Gram	1	1	detection	Listeria - L. monocytogenes	1	1
	Dairy products (excluding cheeses) - butter - made from raw or low heat-treated milk - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Dairy products (excluding cheeses) - cream - made from pasteurised milk - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	10	0	>100	Listeria - L. monocytogenes	5	0
<= 100							Listeria - L. monocytogenes	5	0	
	Dairy products (excluding cheeses) - cream - made from pasteurised milk - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	10	0	detection	Listeria - L. monocytogenes	5	0
	Dairy products (excluding cheeses) - cream - made from pasteurised milk - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Dairy products (excluding cheeses) - cream - made from raw or low heat-treated milk - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	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
Romania	Dairy products (excluding cheeses) - cream - made from raw or low heat-treated milk - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Dairy products (excluding cheeses) - dairy products, not specified - made from pasteurised milk - Catering (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	1	0	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	0
	Dairy products (excluding cheeses) - dairy products, not specified - made from pasteurised milk - Catering (not specified) - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	1	0	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	0
	Dairy products (excluding cheeses) - dairy products, not specified - made from pasteurised milk - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	336	0	>100	Listeria - L. monocytogenes	47	0
							<= 100	Listeria - L. monocytogenes	47	0
	Dairy products (excluding cheeses) - dairy products, not specified - made from pasteurised milk - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	336	0	detection	Listeria - L. monocytogenes	336	0
	Dairy products (excluding cheeses) - dairy products, not specified - made from pasteurised milk - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	37	0	>100	Listeria - L. monocytogenes	5	0
							<= 100	Listeria - L. monocytogenes	5	0
	Dairy products (excluding cheeses) - dairy products, not specified - made from pasteurised milk - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	37	0	detection	Listeria - L. monocytogenes	37	0
	Dairy products (excluding cheeses) - dairy products, not specified - made from pasteurised milk - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	22	0	>100	Listeria - L. monocytogenes	22	0
							<= 100	Listeria - L. monocytogenes	22	0
	Dairy products (excluding cheeses) - dairy products, not specified - made from pasteurised milk - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	44	0	>100	Listeria - L. monocytogenes	44	0
							<= 100	Listeria - L. monocytogenes	44	0
	Dairy products (excluding cheeses) - dairy products, not specified - made from pasteurised milk - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Selective sampling	batch	10	Gram	2	0	>100	Listeria - L. monocytogenes	2	0
							<= 100	Listeria - L. monocytogenes	2	0
	Dairy products (excluding cheeses) - dairy products, not specified - made from raw or low heat-treated milk - Catering (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	1	0	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	0
	Dairy products (excluding cheeses) - dairy products, not specified - made from raw or low heat-treated milk - Catering (not specified) - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	1	0	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	0
	Dairy products (excluding cheeses) - dairy products, not specified - made from raw or low heat-treated milk - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	52	0	>100	Listeria - L. monocytogenes	12	0
							<= 100	Listeria - L. monocytogenes	12	0
	Dairy products (excluding cheeses) - dairy products, not specified - made from raw or low heat-treated milk - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	52	0	detection	Listeria - L. monocytogenes	52	0
	Dairy products (excluding cheeses) - ice-cream (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	19	0	>100	Listeria - L. monocytogenes	9	0
							<= 100	Listeria - L. monocytogenes	9	0
	Dairy products (excluding cheeses) - ice-cream (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	19	0	detection	Listeria - L. monocytogenes	10	0
	Dairy products (excluding cheeses) - ice-cream (not specified) - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	3	0	>100	Listeria - L. monocytogenes	3	0
							<= 100	Listeria - L. monocytogenes	3	0
	Dairy products (excluding cheeses) - ice-cream (not specified) - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	5	0	>100	Listeria - L. monocytogenes	5	0
							<= 100	Listeria - L. monocytogenes	5	0
	Fishery products, unspecified - non-ready-to-eat (not specified) - Catering (not specified) - Romania - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	batch	10	Gram	3	1	>100	Listeria - L. monocytogenes	3	1
							<= 100	Listeria - L. monocytogenes	3	0
	Fishery products, unspecified - non-ready-to-eat (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	9	0	detection	Listeria - L. monocytogenes	9	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Romania	Fishery products, unspecified - non-ready-to-eat (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Fishery products, unspecified - non-ready-to-eat (not specified) - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	28	0	>100	Listeria - L. monocytogenes	28	0
							<= 100	Listeria - L. monocytogenes	28	0
	Fishery products, unspecified - raw (not specified) - Packing centre (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Fishery products, unspecified - raw (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	47	0	detection	Listeria - L. monocytogenes	47	0
	Fishery products, unspecified - raw (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	6	0	detection	Listeria - L. monocytogenes	6	0
	Fishery products, unspecified - raw (not specified) - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	19	0	>100	Listeria - L. monocytogenes	4	0
							<= 100	Listeria - L. monocytogenes	4	0
	Fishery products, unspecified - raw (not specified) - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	19	0	detection	Listeria - L. monocytogenes	15	0
	Fishery products, unspecified - ready-to-eat (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	35	0	detection	Listeria - L. monocytogenes	35	0
	Fishery products, unspecified - ready-to-eat (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	5	0	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	0
	Fishery products, unspecified - ready-to-eat (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	5	0	detection	Listeria - L. monocytogenes	4	0
	Fishery products, unspecified - ready-to-eat (not specified) - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	16	1	>100	Listeria - L. monocytogenes	13	1
							<= 100	Listeria - L. monocytogenes	13	0
	Fishery products, unspecified - ready-to-eat (not specified) - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	16	1	detection	Listeria - L. monocytogenes	3	0
	Fishery products, unspecified - ready-to-eat (not specified) - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	4	0	>100	Listeria - L. monocytogenes	4	0
							<= 100	Listeria - L. monocytogenes	4	0
	Foodstuffs intended for special nutritional uses - dried dietary foods for special medical purposes intended for infants below 6 months - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	9	0	detection	Listeria - L. monocytogenes	9	0
	Foodstuffs intended for special nutritional uses - dried dietary foods for special medical purposes intended for infants below 6 months - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	3	0	>100	Listeria - L. monocytogenes	3	0
							<= 100	Listeria - L. monocytogenes	3	0
	Foodstuffs intended for special nutritional uses - dried dietary foods for special medical purposes intended for infants below 6 months - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	3	0	>100	Listeria - L. monocytogenes	3	0
							<= 100	Listeria - L. monocytogenes	3	0
	Meat from bovine animals - fresh - chilled - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	34	1	detection	Listeria - L. monocytogenes	34	1
	Meat from bovine animals - fresh - chilled - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	2	0	>100	Listeria - L. monocytogenes	2	0
							<= 100	Listeria - L. monocytogenes	2	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked (not specified) - Game handling establishment - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Meat from bovine animals - meat products - cooked, ready-to-eat (not specified) - Catering (not specified) - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	17	0	>100	Listeria - L. monocytogenes	17	0
							<= 100	Listeria - L. monocytogenes	17	0
	Meat from bovine animals - meat products - cooked, ready-to-eat (not specified) - Catering (not specified) - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	15	0	>100	Listeria - L. monocytogenes	15	0
							<= 100	Listeria - L. monocytogenes	15	0
	Meat from bovine animals - meat products - cooked, ready-to-eat (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	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	Zoonoses		N of units tested	N of units positive
							Method	Zoonoses		
Romania	Meat from bovine animals - meat products - cooked, ready-to-eat (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	9	0	>100	Listeria - L. monocytogenes	9	0
							<= 100	Listeria - L. monocytogenes	9	0
	Meat from bovine animals - meat products - raw and intended to be eaten raw (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	139	0	>100	Listeria - L. monocytogenes	4	0
							<= 100	Listeria - L. monocytogenes	4	0
	Meat from bovine animals - meat products - raw and intended to be eaten raw (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	139	0	detection	Listeria - L. monocytogenes	139	0
	Meat from bovine animals - meat products - raw and intended to be eaten raw (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	11	0	detection	Listeria - L. monocytogenes	11	0
	Meat from bovine animals - meat products - raw and intended to be eaten raw (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	2	1	>100	Listeria - L. monocytogenes	2	1
							<= 100	Listeria - L. monocytogenes	2	0
	Meat from bovine animals - meat products - raw and intended to be eaten raw (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Suspect sampling	batch	10	Gram	2	1	>100	Listeria - L. monocytogenes	2	1
							<= 100	Listeria - L. monocytogenes	2	0
	Meat from bovine animals - meat products - raw but intended to be eaten cooked (not specified) - Catering (not specified) - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	19	0	>100	Listeria - L. monocytogenes	19	0
							<= 100	Listeria - L. monocytogenes	19	0
	Meat from bovine animals - meat products - raw but intended to be eaten cooked (not specified) - Game handling establishment - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	6	0	detection	Listeria - L. monocytogenes	6	0
	Meat from bovine animals - meat products - raw but intended to be eaten cooked (not specified) - Hospital or medical care facility - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Meat from bovine animals - meat products - raw but intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	610	0	detection	Listeria - L. monocytogenes	610	0
	Meat from bovine animals - meat products - raw but intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	64	1	detection	Listeria - L. monocytogenes	64	1
	Meat from bovine animals - meat products - raw but intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Selective sampling	batch	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Meat from bovine animals - meat products - raw but intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	96	0	>100	Listeria - L. monocytogenes	96	0
							<= 100	Listeria - L. monocytogenes	96	0
	Meat from bovine animals - meat products - raw but intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	74	0	>100	Listeria - L. monocytogenes	74	0
<= 100							Listeria - L. monocytogenes	74	0	
Meat from bovine animals - meat products - raw but intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Selective sampling	batch	10	Gram	19	0	>100	Listeria - L. monocytogenes	19	0	
						<= 100	Listeria - L. monocytogenes	19	0	
Meat from bovine animals - meat products - raw but intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Suspect sampling	batch	10	Gram	1	0	>100	Listeria - L. monocytogenes	1	0	
						<= 100	Listeria - L. monocytogenes	1	0	
Meat from bovine animals - minced meat - intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	17	0	detection	Listeria - L. monocytogenes	17	0	
Meat from broilers (Gallus gallus) - fresh - chilled - Catering (not specified) - Romania - food sample - meat - Surveillance - HACCP and own check - Suspect sampling	batch	25	Gram	1	1	detection	Listeria - L. monocytogenes	1	1	
Meat from broilers (Gallus gallus) - fresh - chilled - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - 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
Romania	Meat from broilers (Gallus gallus) - fresh - chilled - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Selective sampling	batch	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	11	4	detection	Listeria - L. monocytogenes	11	4
	Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Romania - food sample - meat - Surveillance - Official sampling - Suspect sampling	batch	10	Gram	1	0	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Suspect sampling	batch	25	Gram	1	1	detection	Listeria - L. monocytogenes	1	1
	Meat from broilers (Gallus gallus) - meat products - cooked, ready-to-eat (not specified) - Catering (not specified) - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	101	0	>100	Listeria - L. monocytogenes	101	0
							<= 100	Listeria - L. monocytogenes	101	0
	Meat from broilers (Gallus gallus) - meat products - cooked, ready-to-eat (not specified) - Catering (not specified) - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	48	0	>100	Listeria - L. monocytogenes	45	0
							<= 100	Listeria - L. monocytogenes	45	0
	Meat from broilers (Gallus gallus) - meat products - cooked, ready-to-eat (not specified) - Catering (not specified) - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	48	0	detection	Listeria - L. monocytogenes	3	0
	Meat from broilers (Gallus gallus) - meat products - cooked, ready-to-eat (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	25	1	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	0
	Meat from broilers (Gallus gallus) - meat products - cooked, ready-to-eat (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	25	1	detection	Listeria - L. monocytogenes	25	1
	Meat from broilers (Gallus gallus) - meat products - cooked, ready-to-eat (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	16	0	>100	Listeria - L. monocytogenes	16	0
							<= 100	Listeria - L. monocytogenes	16	0
	Meat from pig - fresh - chilled - Cutting plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	11	1	detection	Listeria - L. monocytogenes	11	1
	Meat from pig - fresh - chilled - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	19	1	detection	Listeria - L. monocytogenes	19	1
	Meat from pig - fresh - chilled - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	8	0	>100	Listeria - L. monocytogenes	2	0
							<= 100	Listeria - L. monocytogenes	2	0
	Meat from pig - fresh - chilled - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	8	0	detection	Listeria - L. monocytogenes	6	0
	Meat from pig - meat preparation - intended to be eaten cooked (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Meat from pig - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	detection	Listeria - L. monocytogenes	1	0
	Meat from pig - meat preparation - intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	1	0	>100	Listeria - L. monocytogenes	1	0
							<= 100	Listeria - L. monocytogenes	1	0
	Meat from pig - meat preparation - intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	7	0	>100	Listeria - L. monocytogenes	7	0
							<= 100	Listeria - L. monocytogenes	7	0
	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Catering (not specified) - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	112	0	>100	Listeria - L. monocytogenes	112	0
							<= 100	Listeria - L. monocytogenes	112	0
	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Catering (not specified) - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	54	0	>100	Listeria - L. monocytogenes	54	0
							<= 100	Listeria - L. monocytogenes	54	0
	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	125	0	detection	Listeria - L. monocytogenes	125	0
	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	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
Romania	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	45	0	>100	Listeria - L. monocytogenes	45	0
							<= 100	Listeria - L. monocytogenes	45	0
	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	10	0	>100	Listeria - L. monocytogenes	10	0
							<= 100	Listeria - L. monocytogenes	10	0
	Meat from pig - minced meat - intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	24	3	detection	Listeria - L. monocytogenes	24	3
	Meat from pig - minced meat - intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Meat, mixed meat - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	47	5	detection	Listeria - L. monocytogenes	47	5
	Meat, mixed meat - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Meat, mixed meat - meat preparation - intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	129	0	detection	Listeria - L. monocytogenes	129	0
	Meat, mixed meat - meat preparation - intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Selective sampling	batch	10	Gram	2	0	>100	Listeria - L. monocytogenes	2	0
							<= 100	Listeria - L. monocytogenes	2	0
	Meat, mixed meat - minced meat - intended to be eaten cooked (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	3	0	detection	Listeria - L. monocytogenes	3	0
	Meat, mixed meat - minced meat - intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	13	1	detection	Listeria - L. monocytogenes	13	1
	Meat, mixed meat - minced meat - intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	25	0	>100	Listeria - L. monocytogenes	6	0
							<= 100	Listeria - L. monocytogenes	6	0
	Meat, mixed meat - minced meat - intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	25	0	detection	Listeria - L. monocytogenes	19	0
Milk, cows' - pasteurised milk - Hospital or medical care facility - Romania - food sample - milk - Surveillance - Official sampling - Suspect sampling	batch	10	Millilitre	1	0	>100	Listeria - L. monocytogenes	1	0	
						<= 100	Listeria - L. monocytogenes	1	0	
Milk, cows' - pasteurised milk - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	10	Millilitre	73	0	>100	Listeria - L. monocytogenes	15	0	
						<= 100	Listeria - L. monocytogenes	15	0	
Milk, cows' - pasteurised milk - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Millilitre	73	0	detection	Listeria - L. monocytogenes	73	0	
Milk, cows' - pasteurised milk - Processing plant - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	10	Millilitre	9	0	>100	Listeria - L. monocytogenes	3	0	
						<= 100	Listeria - L. monocytogenes	3	0	
Milk, cows' - pasteurised milk - Processing plant - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Millilitre	9	0	detection	Listeria - L. monocytogenes	9	0	
Milk, cows' - pasteurised milk - Retail - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	10	Millilitre	4	0	>100	Listeria - L. monocytogenes	4	0	
						<= 100	Listeria - L. monocytogenes	4	0	
Milk, cows' - pasteurised milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	10	Millilitre	5	0	>100	Listeria - L. monocytogenes	5	0	
						<= 100	Listeria - L. monocytogenes	5	0	
Milk, cows' - raw milk - intended for direct human consumption - Retail - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	10	Millilitre	1	0	>100	Listeria - L. monocytogenes	1	0	
						<= 100	Listeria - L. monocytogenes	1	0	
Milk, cows' - raw milk for manufacture - intended for manufacture of raw or low heat-treated products - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Millilitre	59	0	detection	Listeria - L. monocytogenes	59	0	
Milk, cows' - raw milk for manufacture (not specified) - Farm (not specified) - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Millilitre	4	0	detection	Listeria - L. monocytogenes	4	0	
Milk, cows' - raw milk for manufacture (not specified) - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	10	Millilitre	34	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
Romania	Milk, cows' - raw milk for manufacture (not specified) - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Millilitre	34	0	detection	Listeria - L. monocytogenes	32	0
	Milk, goats' - pasteurised milk (not specified) - Processing plant - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Millilitre	1	0	detection	Listeria - L. monocytogenes	1	0
	Milk, goats' - raw milk for manufacture - intended for manufacture of raw or low heat-treated products - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Millilitre	2	0	detection	Listeria - L. monocytogenes	2	0
	Milk, sheep's - raw milk for manufacture - intended for manufacture of raw or low heat-treated products - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Millilitre	1	0	detection	Listeria - L. monocytogenes	1	0
	Molluscan shellfish - cooked (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	13	0	>100	Listeria - L. monocytogenes	13	0
							<= 100	Listeria - L. monocytogenes	13	0
	Molluscan shellfish - shelled, shucked and cooked (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Molluscan shellfish - shelled, shucked and cooked (not specified) - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	2	0	detection	Listeria - L. monocytogenes	2	0
	Other processed food products and prepared dishes (not specified) - Catering (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	1775	0	>100	Listeria - L. monocytogenes	1,243	0
							<= 100	Listeria - L. monocytogenes	1,243	0
	Other processed food products and prepared dishes (not specified) - Catering (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1775	0	detection	Listeria - L. monocytogenes	650	0
	Other processed food products and prepared dishes (not specified) - Catering (not specified) - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	1044	0	>100	Listeria - L. monocytogenes	1,044	0
							<= 100	Listeria - L. monocytogenes	1,044	0
	Other processed food products and prepared dishes (not specified) - Catering (not specified) - Romania - food sample (not specified) - Surveillance - Official sampling - Selective sampling	batch	10	Gram	8	0	>100	Listeria - L. monocytogenes	8	0
							<= 100	Listeria - L. monocytogenes	8	0
	Other processed food products and prepared dishes (not specified) - Hospital or medical care facility - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	132	0	>100	Listeria - L. monocytogenes	44	0
							<= 100	Listeria - L. monocytogenes	44	0
	Other processed food products and prepared dishes (not specified) - Hospital or medical care facility - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	132	0	detection	Listeria - L. monocytogenes	88	0
	Other processed food products and prepared dishes (not specified) - Hospital or medical care facility - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	56	0	>100	Listeria - L. monocytogenes	38	0
							<= 100	Listeria - L. monocytogenes	38	0
	Other processed food products and prepared dishes (not specified) - Hospital or medical care facility - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	56	0	detection	Listeria - L. monocytogenes	18	0
	Other processed food products and prepared dishes (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	373	0	>100	Listeria - L. monocytogenes	176	0
							<= 100	Listeria - L. monocytogenes	176	0
	Other processed food products and prepared dishes (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	373	0	detection	Listeria - L. monocytogenes	269	0
	Other processed food products and prepared dishes (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	119	0	>100	Listeria - L. monocytogenes	15	0
							<= 100	Listeria - L. monocytogenes	15	0
	Other processed food products and prepared dishes (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	119	0	detection	Listeria - L. monocytogenes	104	0
	Other processed food products and prepared dishes (not specified) - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	699	0	>100	Listeria - L. monocytogenes	699	0
							<= 100	Listeria - L. monocytogenes	699	0
	Other processed food products and prepared dishes (not specified) - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	10	Gram	196	0	>100	Listeria - L. monocytogenes	196	0
							<= 100	Listeria - L. monocytogenes	196	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
Romania	Other processed food products and prepared dishes (not specified) - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Selective sampling	batch	10	Gram	9	0	>100	Listeria - L. monocytogenes	9	0
							<= 100	Listeria - L. monocytogenes	9	0
	Snails - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	127	1	detection	Listeria - L. monocytogenes	127	1

Table LISTERIA 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
Romania	Other feed material - forages and roughages - Farm (not specified) - Romania - feed sample - Surveillance - HACCP and own check - Suspect sampling	batch	25	Gram	16	0	Listeria - L. monocytogenes	0
	Other feed material - forages and roughages - Feed mill - Romania - feed sample - Surveillance - HACCP and own check - Suspect sampling	batch	25	Gram	2	0	Listeria - L. monocytogenes	0























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
Hunedoara	Cattle (bovine animals) - mixed herds - Farm (not specified) - Romania - animal sample - brain - Surveillance - Official sampling - Suspect sampling	animal	1	0	Lyssavirus (rabies)	0
	Cattle (bovine animals) - mixed herds - Farm (not specified) - Romania - animal sample - brain - Surveillance - Official sampling - Suspect sampling	animal	1	0	Lyssavirus (rabies)	0
	Deer - wild - fallow deer - Natural habitat - Romania - animal sample - brain - Surveillance - Official sampling - Suspect sampling	animal	1	0	Lyssavirus (rabies)	0
	Deer - wild - fallow deer - Natural habitat - Romania - animal sample - brain - Surveillance - Official sampling - Suspect sampling	animal	1	0	Lyssavirus (rabies)	0
	Dogs - stray dogs - Farm (not specified) - Romania - animal sample - brain - Surveillance - Official sampling - Suspect sampling	animal	6	0	Lyssavirus (rabies)	0
	Dogs - stray dogs - Farm (not specified) - Romania - animal sample - brain - Surveillance - Official sampling - Suspect sampling	animal	6	0	Lyssavirus (rabies)	0
	Foxes - wild (not specified) - Natural habitat - Romania - animal sample - brain - Monitoring - Official sampling - Objective sampling	animal	135	1	Lyssavirus (rabies)	1
	Foxes - wild (not specified) - Natural habitat - Romania - animal sample - brain - Monitoring - Official sampling - Suspect sampling	animal	1	1	Lyssavirus (rabies)	1
	Foxes - wild (not specified) - Natural habitat - Romania - animal sample - brain - Surveillance - Official sampling - Suspect sampling	animal	5	0	Lyssavirus (rabies)	0
Timis	Foxes - wild (not specified) - Natural habitat - Romania - animal sample - brain - Surveillance - Official sampling - Suspect sampling	animal	5	0	Lyssavirus (rabies)	0
	Cats - stray cats - Farm (not specified) - Romania - animal sample - brain - Surveillance - Official sampling - Suspect sampling	animal	1	0	Lyssavirus (rabies)	0
	Cats - stray cats - Farm (not specified) - Romania - animal sample - brain - Surveillance - Official sampling - Suspect sampling	animal	1	0	Lyssavirus (rabies)	0
	Cattle (bovine animals) - mixed herds - Farm (not specified) - Romania - animal sample - brain - Surveillance - Official sampling - Suspect sampling	animal	1	0	Lyssavirus (rabies)	0
	Dogs - stray dogs - Farm (not specified) - Romania - animal sample - brain - Surveillance - Official sampling - Suspect sampling	animal	1	0	Lyssavirus (rabies)	0
	Dogs - stray dogs - Farm (not specified) - Romania - animal sample - brain - Surveillance - Official sampling - Suspect sampling	animal	1	0	Lyssavirus (rabies)	0
	Foxes - wild (not specified) - Natural habitat - Romania - animal sample - brain - Monitoring - Official sampling - Objective sampling	animal	320	0	Lyssavirus (rabies)	0
	Wild boars - wild - Natural habitat - Romania - animal sample - brain - Surveillance - Official sampling - Suspect sampling	animal	3	0	Lyssavirus (rabies)	0

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						
Romania	Gallus gallus (fowl) - breeding flocks, unspecified - adult - Farm (not specified) - Romania - environmental sample (not specified) - Control and eradication programmes - Official and industry sampling - Census	herd/flock	318	Y	318	11	Salmonella - S. Amsterdam	2						
							Salmonella - S. Enteritidis	0						
							Salmonella - S. Hadar	0						
							Salmonella - S. Infantis	0						
							Salmonella - S. Kottbus	1						
							Salmonella - S. Liverpool	4						
							Salmonella - S. Mbandaka	1						
							Salmonella - S. Orion	1						
							Salmonella - S. Senftenberg	1						
							Salmonella - S. Typhimurium	0						
							Salmonella - S. Uganda	1						
							Salmonella - S. Virchow	0						
							Gallus gallus (fowl) - broilers - before slaughter - Farm (not specified) - Romania - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock	11619	Y	11619	1044	Salmonella - S. Abony	2
													Salmonella - S. Agona	3
Salmonella - S. Brandenburg	2													
Salmonella - S. Bredeney	8													
Salmonella - S. Chester	1													
Salmonella - S. Enteritidis	34													
Salmonella - S. Glostrup	3													
Salmonella - S. Havana	5													
Salmonella - S. Infantis	677													
Salmonella - S. Kentucky	52													
Salmonella - S. Kottbus	20													
Salmonella - S. Liverpool	32													
Salmonella - S. Livingstone	15													
Salmonella - S. Mbandaka	1													
Salmonella - S. Montevideo	8													
Salmonella - S. Senftenberg	60													
Salmonella - S. Taksony	9													
Salmonella - S. Tennessee	64													
Salmonella - S. Thompson	43													
Salmonella - S. Typhimurium	5													
Gallus gallus (fowl) - laying hens - adult - Farm (not specified) - Romania - environmental sample (not specified) - Control and eradication programmes - Official and industry sampling - Census	herd/flock	684	Y	683	67	Salmonella - S. Agona	22							
						Salmonella - S. Borbeck	1							
						Salmonella - S. Cubana	1							
						Salmonella - S. Enteritidis	10							
						Salmonella - S. Fyris	1							
						Salmonella - S. Glostrup	1							
						Salmonella - S. Hadar	4							
						Salmonella - S. Infantis	5							
						Salmonella - S. Kottbus	4							
						Salmonella - S. Mbandaka	8							
						Salmonella - S. Montevideo	3							



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
Romania	Gallus gallus (fowl) - laying hens - adult - Farm (not specified) - Romania - environmental sample (not specified) - Control and eradication programmes - Official and industry sampling - Census	herd/flock	684	Y	683	67	Salmonella - S. Newport	5
							Salmonella - S. Senftenberg	3
							Salmonella - S. Typhimurium	0
	Turkeys - fattening flocks - before slaughter - Farm (not specified) - Romania - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock	320	Y	320	0	Salmonella	0
Bistrita-Nasaud	Sheep - mixed herds - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Monitoring - Official sampling - Census	animal		NA	24	4	Salmonella - S. Abortusovis	4
Cluj	Sheep - mixed herds - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Monitoring - Official sampling - Census	animal		NA	24	3	Salmonella - S. Abortusovis	3
Maramures	Sheep - mixed herds - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Monitoring - Official sampling - Census	animal		NA	24	1	Salmonella - S. Abortusovis	1
Mures	Ducks - unspecified (not specified) - Farm (not specified) - Romania - animal sample - faeces - Monitoring - Official sampling - Census			NA	5	2	Salmonella - S. Derby	2
						3	Salmonella - S. Anatum	2
							Salmonella - S. Regent	1
	Sheep - mixed herds - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Monitoring - Official sampling - Census	animal		NA	5	5	Salmonella - S. Abortusovis	5
	Turkeys (not specified) - Farm (not specified) - Romania - animal sample - faeces - Monitoring - Official sampling - Census	animal		NA	1	1	Salmonella - S. Typhimurium	1
Bacau	Minks (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Monitoring - Official sampling - Census	animal		NA	1	1	Salmonella - S. Typhimurium	1
Iasi	Sheep - mixed herds - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Monitoring - Official sampling - Census	animal		NA	24	8	Salmonella - S. Abortusovis	8
Suceava	Gallus gallus (fowl) (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Monitoring - Official sampling - Census	animal		NA	1	1	Salmonella - S. Gallinarum biovar Gallinarum	1
		animal		NA	1	1	Salmonella - S. Typhimurium	1
		animal		NA	2	2	Salmonella - S. Abortusovis	2
Buzau	Pigs - fattening pigs (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Monitoring - Official sampling - Census	animal		NA	2	1	Salmonella - S. Rissen	1
							Salmonella - S. Typhimurium, monophasic	1
Calarasi	Gallus gallus (fowl) (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Monitoring - Official sampling - Census	animal		NA	38	3	Salmonella - S. Gallinarum biovar Gallinarum	3
Ialomita	Gallus gallus (fowl) (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Monitoring - Official sampling - Census	animal		NA	38	11	Salmonella - S. Gallinarum biovar Gallinarum	11
Prahova	Goats - mixed herds - Farm (not specified) - Romania - animal sample - foetus/stillbirth - Monitoring - Official sampling - Census	animal		NA	1	1	Salmonella - S. Typhimurium	1
		animal		NA	1	1	Salmonella - S. Abortusovis	1
Doj	Gallus gallus (fowl) (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Monitoring - Official sampling - Census	animal		NA	38	2	Salmonella - S. Gallinarum biovar Gallinarum	2
Gorj	Turkeys - unspecified - adult - Farm (not specified) - Romania - animal sample - organ/tissue - Monitoring - Official sampling - Census	animal		NA	3	2	Salmonella - S. Gallinarum biovar Gallinarum	2
Olt	Pigs - fattening pigs (not specified) - Farm (not specified) - Romania - animal sample - faeces - Monitoring - Official sampling - Census			NA	13	8	Salmonella - S. Derby	2
							Salmonella - S. Infantis	1
							Salmonella - S. Rissen	1
							Salmonella - S. Typhimurium	1
							Salmonella - S. Typhimurium, monophasic	3
	Pigs - fattening pigs (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Monitoring - Official sampling - Census	animal		NA	13	5	Salmonella - S. Bredeney	1
							Salmonella - S. Typhimurium, monophasic	4

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
Valcea	Gallus gallus (fowl) - broilers (not specified) - Farm (not specified) - Romania - animal sample - faeces - Monitoring - Official sampling - Census	animal		NA	21	21	Salmonella - S. Enteritidis	13
							Salmonella - S. Infantis	8
	Quails (not specified) - Farm (not specified) - Romania - animal sample - organ/tissue - Monitoring - Official sampling - Census	animal		NA	2	2	Salmonella - S. Kentucky	2
Hunedoara	Cattle (bovine animals) - calves (under 1 year) (not specified) - Farm (not specified) - Romania - animal sample - faeces - Monitoring - Official sampling - Census	animal		NA	4	2	Salmonella - S. Typhimurium, monophasic	2
							Salmonella - S. Typhimurium	2

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
Romania	Bakery products - pastry (not specified) - Catering (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	24	0	Salmonella	0
	Bakery products - pastry (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	264	0	Salmonella	0
	Bakery products - pastry (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	7	0	Salmonella	0
	Bakery products - pastry (not specified) - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	163	0	Salmonella	0
	Bakery products - pastry (not specified) - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Bakery products - pastry (not specified) - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Selective sampling	batch	25	Gram	2	0	Salmonella	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	284	0	Salmonella	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Processing plant - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	12	0	Salmonella	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Retail - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	25	1	Salmonella - S. Typhimurium	1
	Cheeses made from cows' milk - hard - made from pasteurised milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	12	0	Salmonella	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Suspect sampling	batch	25	Gram	6	1	Salmonella - S. Enteritidis	1
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Catering (not specified) - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	15	0	Salmonella	0
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Packing centre (not specified) - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	4	0	Salmonella	0
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	164	0	Salmonella	0
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Processing plant - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	22	0	Salmonella	0
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	121	0	Salmonella	0
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	10	0	Salmonella	0
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Selective sampling	batch	25	Gram	23	0	Salmonella	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Packing centre (not specified) - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	75	0	Salmonella	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	15	0	Salmonella	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Retail - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	15	0	Salmonella	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	6	0	Salmonella	0
	Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Farm (not specified) - Romania - food sample - milk - Surveillance - HACCP and own check - 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
Romania	Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	140	0	Salmonella	0
	Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	97	0	Salmonella	0
	Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Romania - food sample - milk - Surveillance - Official sampling - Selective sampling	batch	25	Gram	10	0	Salmonella	0
	Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	492	0	Salmonella	0
	Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	161	0	Salmonella	0
	Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Selective sampling	batch	25	Gram	8	0	Salmonella	0
	Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Suspect sampling	batch	25	Gram	1	0	Salmonella	0
	Cheeses made from goats' milk - hard - made from pasteurised milk - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Retail - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Farm (not specified) - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	33	0	Salmonella	0
	Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	6	0	Salmonella	0
	Cheeses made from sheep's milk - hard - made from pasteurised milk - Farm (not specified) - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Cheeses made from sheep's milk - hard - made from pasteurised milk - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	34	1	Salmonella - S. Enteritidis	1
	Cheeses made from sheep's milk - hard - made from pasteurised milk - Retail - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	6	0	Salmonella	0
	Cheeses made from sheep's milk - hard - made from pasteurised milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	9	0	Salmonella	0
	Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	32	0	Salmonella	0
	Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Processing plant - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	145	0	Salmonella	0
	Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	225	0	Salmonella	0
	Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	83	0	Salmonella	0
	Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Selective sampling	batch	25	Gram	13	0	Salmonella	0
	Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Suspect sampling	batch	25	Gram	1	0	Salmonella	0
	Cheeses made from sheep's milk - soft and semi-soft - made from pasteurised milk - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	5	0	Salmonella	0
	Cheeses made from sheep's milk - soft and semi-soft - made from pasteurised milk - Retail - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Cheeses made from sheep's milk - soft and semi-soft - made from raw or low heat-treated milk - Farm (not specified) - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	6	0	Salmonella	0
	Cheeses made from sheep's milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	36	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
Romania	Cheeses made from sheep's milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Cheeses made from sheep's milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	65	0	Salmonella	0
	Cheeses made from sheep's milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	29	0	Salmonella	0
	Cheeses made from sheep's milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Selective sampling	batch	25	Gram	3	0	Salmonella	0
	Cheeses made from sheep's milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Suspect sampling	batch	25	Gram	1	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from raw or low heat-treated milk - Farm (not specified) - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	5	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from raw or low heat-treated milk - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Selective sampling	batch	25	Gram	2	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	25	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	67	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - hard - made from raw or low heat-treated milk - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	11	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - hard - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - HACCP and own check - Selective sampling	batch	25	Gram	4	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - hard - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Crustaceans - lobsters - cooked (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Crustaceans - lobsters - raw (not specified) - Farm (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Crustaceans - lobsters - raw (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Crustaceans - unspecified - raw - frozen - Packing centre (not specified) - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Crustaceans - unspecified - raw - frozen - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Crustaceans - unspecified - raw - frozen - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Dairy products (excluding cheeses) - butter - made from pasteurised milk - Catering (not specified) - Romania - food sample - milk - Surveillance - Official sampling - Suspect sampling	batch	25	Gram	1	0	Salmonella	0
	Dairy products (excluding cheeses) - butter - made from pasteurised milk - Packing centre (not specified) - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	13	0	Salmonella	0
	Dairy products (excluding cheeses) - butter - made from pasteurised milk - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	28	0	Salmonella	0
	Dairy products (excluding cheeses) - butter - made from pasteurised milk - Processing plant - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	4	0	Salmonella	0
	Dairy products (excluding cheeses) - butter - made from raw or low heat-treated milk - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Dairy products (excluding cheeses) - cream - made from pasteurised milk - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	13	0	Salmonella	0
	Dairy products (excluding cheeses) - cream - made from pasteurised milk - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Selective sampling	batch	25	Gram	2	0	Salmonella	0
	Dairy products (excluding cheeses) - cream - made from pasteurised milk - Processing plant - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	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
Romania	Dairy products (excluding cheeses) - cream - made from pasteurised milk - Processing plant - Romania - food sample - milk - Surveillance - Official sampling - Selective sampling	batch	25	Gram	1	0	Salmonella	0
	Dairy products (excluding cheeses) - cream - made from pasteurised milk - Retail - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	12	0	Salmonella	0
	Dairy products (excluding cheeses) - cream - made from pasteurised milk - Retail - Romania - food sample - milk - Surveillance - HACCP and own check - Selective sampling	batch	25	Gram	2	0	Salmonella	0
	Dairy products (excluding cheeses) - cream - made from pasteurised milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Dairy products (excluding cheeses) - cream - made from raw or low heat-treated milk - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	120	0	Salmonella	0
	Dairy products (excluding cheeses) - cream - made from raw or low heat-treated milk - Processing plant - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	29	0	Salmonella	0
	Dairy products (excluding cheeses) - cream - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	6	0	Salmonella	0
	Dairy products (excluding cheeses) - cream - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Dairy products (excluding cheeses) - cream - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Suspect sampling	batch	25	Gram	1	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream (not specified) - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	83	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream (not specified) - Retail - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	10	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream (not specified) - Retail - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	26	0	Salmonella	0
	Dairy products (excluding cheeses) - milk powder and whey powder - Packing centre (not specified) - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Dairy products (excluding cheeses) - milk powder and whey powder - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	61	0	Salmonella	0
	Dairy products (excluding cheeses) - milk powder and whey powder - Processing plant - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Dairy products (excluding cheeses) - milk powder and whey powder - Processing plant - Romania - food sample - milk - Surveillance - Official sampling - Suspect sampling	batch	25	Gram	1	0	Salmonella	0
	Dairy products (excluding cheeses) - milk powder and whey powder - Retail - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Dairy products (excluding cheeses) - milk powder and whey powder - Retail - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	23	0	Salmonella	0
	Dairy products (excluding cheeses) - milk powder and whey powder - Retail - Romania - food sample - milk - Surveillance - Official sampling - Suspect sampling	batch	25	Gram	1	0	Salmonella	0
	Egg products (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	100	0	Salmonella	0
	Egg products (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	4	0	Salmonella	0
	Egg products (not specified) - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	10	0	Salmonella	0
	Eggs - raw material (liquid egg) for egg products - Farm (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Eggs - table eggs (not specified) - Farm (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	348	2	Salmonella - S. Kentucky Salmonella - S. Montevideo	1 1
	Eggs - table eggs (not specified) - Farm (not specified) - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	14	0	Salmonella	0
	Eggs - table eggs (not specified) - Farm (not specified) - Romania - food sample (not specified) - Surveillance - Official sampling - Selective sampling	batch	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
Romania	Eggs - table eggs (not specified) - Farm (not specified) - Romania - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	batch	25	Gram	40	2	Salmonella - S. Infantis	2
	Eggs - table eggs (not specified) - Packing centre (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1198	0	Salmonella	0
	Eggs - table eggs (not specified) - Packing centre (not specified) - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	131	0	Salmonella	0
	Eggs - table eggs (not specified) - Packing centre (not specified) - Romania - food sample (not specified) - Surveillance - Official sampling - Selective sampling	batch	25	Gram	130	0	Salmonella	0
	Eggs - table eggs (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	32	0	Salmonella	0
	Eggs - table eggs (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	6	0	Salmonella	0
	Eggs - table eggs (not specified) - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	80	0	Salmonella	0
	Eggs - table eggs (not specified) - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Suspect sampling	batch	25	Gram	13	1	Salmonella - S. Enteritidis	1
	Eggs - table eggs (not specified) - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	97	0	Salmonella	0
	Eggs - table eggs (not specified) - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Selective sampling	batch	25	Gram	1	0	Salmonella	0
	Eggs - table eggs (not specified) - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	batch	25	Gram	2	0	Salmonella	0
	Eggs (not specified) - Farm (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	31	0	Salmonella	0
	Eggs (not specified) - Farm (not specified) - Romania - food sample (not specified) - Surveillance - Official sampling - Selective sampling	batch	25	Gram	2	0	Salmonella	0
	Eggs (not specified) - Packing centre (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	7	0	Salmonella	0
	Eggs (not specified) - Packing centre (not specified) - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Eggs (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Eggs (not specified) - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	9	0	Salmonella	0
	Fishery products, unspecified - non-ready-to-eat (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	9	0	Salmonella	0
	Fishery products, unspecified - non-ready-to-eat (not specified) - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	8	0	Salmonella	0
	Fishery products, unspecified - raw - chilled - Cutting plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Fishery products, unspecified - raw - chilled - Packing centre (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Fishery products, unspecified - raw - chilled - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	4	0	Salmonella	0
	Fishery products, unspecified - raw - chilled - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	15	0	Salmonella	0
	Fishery products, unspecified - smoked - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	10	0	Salmonella	0
	Fishery products, unspecified - smoked - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	15	0	Salmonella	0
	Fishery products, unspecified - smoked - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	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
Romania	Fruits - pre-cut (not specified) - Catering (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	4	0	Salmonella	0
	Fruits - pre-cut (not specified) - Catering (not specified) - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Fruits - pre-cut (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Fruits - pre-cut (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	5	0	Salmonella	0
	Fruits - pre-cut (not specified) - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	11	0	Salmonella	0
	Juice - fruit juice - unpasteurised - Catering (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Millilitre	8	0	Salmonella	0
	Juice - fruit juice - unpasteurised - Catering (not specified) - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Millilitre	24	0	Salmonella	0
	Juice - fruit juice - unpasteurised - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Millilitre	10	0	Salmonella	0
	Juice - fruit juice - unpasteurised - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Millilitre	27	0	Salmonella	0
	Juice - fruit juice - unpasteurised - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Millilitre	29	0	Salmonella	0
	Juice - fruit juice - unpasteurised - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Millilitre	82	0	Salmonella	0
	Juice - fruit juice - unpasteurised - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Selective sampling	batch	25	Millilitre	5	0	Salmonella	0
	Juice - vegetable juice - unpasteurised - Catering (not specified) - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Millilitre	2	0	Salmonella	0
	Juice - vegetable juice - unpasteurised - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Millilitre	2	0	Salmonella	0
	Juice - vegetable juice - unpasteurised - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Millilitre	4	0	Salmonella	0
	Juice - vegetable juice - unpasteurised - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Millilitre	6	0	Salmonella	0
	Juice - vegetable juice - unpasteurised - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Millilitre	8	0	Salmonella	0
	Live echinodermis, tunicates and gastropods - Farm (not specified) - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Meat from bovine animals - carcass (not specified) - Farm (not specified) - Romania - food sample - carcass swabs - Surveillance - HACCP and own check - Objective sampling	batch	400	Square centimetre	6	0	Salmonella	0
	Meat from bovine animals - carcass (not specified) - Slaughterhouse - Romania - food sample - carcass swabs - Surveillance - HACCP and own check - Objective sampling	batch	400	Square centimetre	732	0	Salmonella	0
	Meat from bovine animals - carcass (not specified) - Slaughterhouse - Romania - food sample - carcass swabs - Surveillance - Official sampling - Objective sampling	batch	400	Square centimetre	292	0	Salmonella	0
	Meat from bovine animals - fresh (not specified) - Catering (not specified) - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Meat from bovine animals - fresh (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	766	0	Salmonella	0
	Meat from bovine animals - fresh (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Meat from bovine animals - fresh (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	33	0	Salmonella	0
	Meat from bovine animals - fresh (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	24	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
Romania	Meat from bovine animals - fresh (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	55	0	Salmonella	0
	Meat from bovine animals - fresh (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	8	0	Salmonella	0
	Meat from bovine animals - fresh (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Selective sampling	batch	25	Gram	1	0	Salmonella	0
	Meat from bovine animals - fresh (not specified) - Slaughterhouse - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	107	0	Salmonella	0
	Meat from bovine animals - fresh (not specified) - Slaughterhouse - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	7	0	Salmonella	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	1	0	Salmonella	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	1	0	Salmonella	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	121	0	Salmonella	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	8	0	Salmonella	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	86	0	Salmonella	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Suspect sampling	batch	10	Gram	5	0	Salmonella	0
	Meat from bovine animals - meat preparation - intended to be eaten raw (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	1	0	Salmonella	0
	Meat from bovine animals - meat products - cooked, ready-to-eat (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	9	0	Salmonella	0
	Meat from bovine animals - meat products - cooked, ready-to-eat (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	7	0	Salmonella	0
	Meat from bovine animals - meat products - raw but intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Meat from bovine animals - minced meat - intended to be eaten cooked (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	8	0	Salmonella	0
	Meat from bovine animals - minced meat - intended to be eaten cooked (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	6	0	Salmonella	0
	Meat from bovine animals - minced meat - intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	160	0	Salmonella	0
	Meat from bovine animals - minced meat - intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	17	0	Salmonella	0
	Meat from bovine animals - minced meat - intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	129	0	Salmonella	0
	Meat from bovine animals - minced meat - intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	28	0	Salmonella	0
	Meat from bovine animals - minced meat - intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Selective sampling	batch	10	Gram	2	0	Salmonella	0
	Meat from bovine animals - minced meat - intended to be eaten cooked (not specified) - Slaughterhouse - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	6	1	Salmonella - S. Mbandaka	1
	Meat from bovine animals - minced meat - intended to be eaten raw (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	7	0	Salmonella	0
	Meat from bovine animals - minced meat - intended to be eaten raw (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	3	0	Salmonella	0
	Meat from bovine animals - minced meat - intended to be eaten raw (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	20	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
Romania	Meat from broilers (Gallus gallus) - carcase (not specified) - Slaughterhouse - Romania - food sample - neck skin - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1291	25	Salmonella - S. Enteritidis	1
							Salmonella - S. Infantis	21
							Salmonella - S. Kentucky	3
	Meat from broilers (Gallus gallus) - carcase (not specified) - Slaughterhouse - Romania - food sample - neck skin - Surveillance - Official sampling - Objective sampling	batch	25	Gram	124	1	Salmonella - S. Infantis	1
	Meat from broilers (Gallus gallus) - fresh (not specified) - Catering (not specified) - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	3	2	Salmonella - S. Infantis	2
	Meat from broilers (Gallus gallus) - fresh (not specified) - Catering (not specified) - Romania - food sample - meat - Surveillance - Official sampling - Suspect sampling	batch	25	Gram	4	2	Salmonella - S. Infantis	2
	Meat from broilers (Gallus gallus) - fresh (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	81	3	Salmonella - S. Infantis	2
							Salmonella - S. Livingstone	1
	Meat from broilers (Gallus gallus) - fresh (not specified) - Packing centre (not specified) - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	7	0	Salmonella	0
	Meat from broilers (Gallus gallus) - fresh (not specified) - Packing centre (not specified) - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	5	0	Salmonella	0
	Meat from broilers (Gallus gallus) - fresh (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	82	7	Salmonella - S. Infantis	6
							Salmonella - S. Montevideo	1
	Meat from broilers (Gallus gallus) - fresh (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	41	1	Salmonella - S. Infantis	1
	Meat from broilers (Gallus gallus) - fresh (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	367	21	Salmonella - S. Brandenburg	1
							Salmonella - S. Bredeney	2
							Salmonella - S. Enteritidis	3
							Salmonella - S. Infantis	14
							Salmonella - S. Mbandaka	1
	Meat from broilers (Gallus gallus) - fresh (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	224	2	Salmonella - S. Enteritidis	1
							Salmonella - S. Infantis	1
	Meat from broilers (Gallus gallus) - fresh (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Selective sampling	batch	25	Gram	9	0	Salmonella	0
	Meat from broilers (Gallus gallus) - fresh (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Suspect sampling	batch	25	Gram	2	0	Salmonella	0
	Meat from broilers (Gallus gallus) - fresh (not specified) - Slaughterhouse - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	438	36	Salmonella - S. Bredeney	2
							Salmonella - S. Derby	1
							Salmonella - S. Enteritidis	4
							Salmonella - S. Infantis	27
							Salmonella - S. Montevideo	1
Meat from broilers (Gallus gallus) - fresh (not specified) - Slaughterhouse - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	30	4	Salmonella - S. Enteritidis	1	
						Salmonella - S. Infantis	2	
						Salmonella - S. Kentucky	1	
Meat from broilers (Gallus gallus) - fresh (not specified) - Slaughterhouse - Romania - food sample - meat - Surveillance - Official sampling - Suspect sampling	batch	25	Gram	7	1	Salmonella - S. Infantis	1	
Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked (not specified) - Catering (not specified) - Romania - food sample - meat - Surveillance - Official sampling - Suspect sampling	batch	25	Gram	2	1	Salmonella - S. Infantis	1	
Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	25	1	Salmonella - S. Infantis	1	
Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	106	0	Salmonella	0	
Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	11	2	Salmonella - S. Infantis	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
Romania	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	31	1	Salmonella - S. Infantis	1
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	9	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked (not specified) - Slaughterhouse - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	8	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat products - cooked, ready-to-eat (not specified) - Catering (not specified) - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	19	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat products - cooked, ready-to-eat (not specified) - Catering (not specified) - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat products - cooked, ready-to-eat (not specified) - Catering (not specified) - Romania - food sample - meat - Surveillance - Official sampling - Suspect sampling	batch	25	Gram	2	1	Salmonella - S. Typhimurium	1
	Meat from broilers (Gallus gallus) - meat products - cooked, ready-to-eat (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	67	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat products - cooked, ready-to-eat (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	26	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat products - cooked, ready-to-eat (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	8	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat products - raw but intended to be eaten cooked (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	224	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat products - raw but intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	232	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat products - raw but intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Selective sampling	batch	25	Gram	7	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat products - raw but intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	12	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat products - raw but intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	36	0	Salmonella	0
	Meat from broilers (Gallus gallus) - mechanically separated meat (MSM) (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	236	1	Salmonella - S. Infantis	1
	Meat from broilers (Gallus gallus) - mechanically separated meat (MSM) (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	8	1	Salmonella - S. Infantis	1
	Meat from broilers (Gallus gallus) - mechanically separated meat (MSM) (not specified) - Slaughterhouse - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	211	9	Salmonella - S. Infantis	6
							Salmonella - S. Kentucky	1
							Salmonella - S. Newport	1
							Salmonella - S. Typhimurium	1
	Meat from broilers (Gallus gallus) - minced meat - intended to be eaten cooked (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	30	6	Salmonella - S. Infantis	4
							Salmonella - S. Kentucky	2
	Meat from broilers (Gallus gallus) - minced meat - intended to be eaten cooked (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	6	1	Salmonella - S. Infantis	1
	Meat from broilers (Gallus gallus) - minced meat - intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	178	4	Salmonella - S. Infantis	4
	Meat from broilers (Gallus gallus) - minced meat - intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	32	0	Salmonella	0
	Meat from broilers (Gallus gallus) - minced meat - intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	17	1	Salmonella - S. Brandenburg	1
	Meat from broilers (Gallus gallus) - minced meat - intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	30	0	Salmonella	0
	Meat from duck - meat products (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Meat from horse - carcase (not specified) - Slaughterhouse - Romania - food sample - carcase swabs - Surveillance - HACCP and own check - Objective sampling	batch	400	Square centimetre	104	1	Salmonella - S. Typhimurium, monophasic	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
Romania	Meat from horse - carcase (not specified) - Slaughterhouse - Romania - food sample - carcase swabs - Surveillance - Official sampling - Objective sampling	batch	400	Square centimetre	26	1	Salmonella - S. Meleagridis	1
	Meat from horse - fresh (not specified) - Slaughterhouse - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Meat from horse - fresh (not specified) - Slaughterhouse - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Meat from horse - minced meat (not specified) - Slaughterhouse - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	10	0	Salmonella	0
	Meat from horse - minced meat (not specified) - Slaughterhouse - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	3	0	Salmonella	0
	Meat from other animal species or not specified - meat products - heat treated, ready to eat - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Meat from other poultry species - meat products (not specified) - Catering (not specified) - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	6	0	Salmonella	0
	Meat from other poultry species - meat products (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	109	0	Salmonella	0
	Meat from other poultry species - meat products (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	3	2	Salmonella - S. Kentucky Salmonella - S. Typhimurium	1 1
	Meat from pig - carcase (not specified) - Slaughterhouse - Romania - food sample - carcase swabs - Monitoring - Official sampling - Objective sampling	batch	400	Square centimetre	399	23	Salmonella - S. Bredeney Salmonella - S. Derby Salmonella - S. Kedougou Salmonella - S. Rissen Salmonella - S. Typhimurium	9 3 1 3 7
	Meat from pig - carcase (not specified) - Slaughterhouse - Romania - food sample - carcase swabs - Surveillance - HACCP and own check - Objective sampling	batch	400	Square centimetre	1041	2	Salmonella - S. Derby Salmonella - S. Infantis	1 1
	Meat from pig - carcase (not specified) - Slaughterhouse - Romania - food sample - carcase swabs - Surveillance - Official sampling - Objective sampling	batch	400	Square centimetre	1336	1	Salmonella - S. Typhimurium, monophasic	1
	Meat from pig - carcase (not specified) - Slaughterhouse - Romania - food sample - carcase swabs - Surveillance - Official sampling - Selective sampling	batch	400	Square centimetre	9	0	Salmonella	0
	Meat from pig - fresh (not specified) - Catering (not specified) - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Meat from pig - fresh (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	268	1	Salmonella - S. Infantis	1
	Meat from pig - fresh (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	7	0	Salmonella	0
	Meat from pig - fresh (not specified) - Packing centre (not specified) - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	9	0	Salmonella	0
	Meat from pig - fresh (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	234	1	Salmonella - S. Typhimurium	1
	Meat from pig - fresh (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	33	0	Salmonella	0
	Meat from pig - fresh (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Suspect sampling	batch	25	Gram	4	1	Salmonella - S. Typhimurium	1
	Meat from pig - fresh (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	143	2	Salmonella - S. Mbandaka Salmonella - S. Rissen	1 1
	Meat from pig - fresh (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Suspect sampling	batch	25	Gram	7	1	Salmonella - S. Brezany	1
	Meat from pig - fresh (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	22	2	Salmonella - S. Derby	2
	Meat from pig - fresh (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Selective 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
Romania	Meat from pig - fresh (not specified) - Slaughterhouse - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	71	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten cooked (not specified) - Catering (not specified) - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	6	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten cooked (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	33	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten cooked (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	15	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	405	1	Salmonella - S. Derby	1
	Meat from pig - meat preparation - intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	39	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	154	1	Salmonella - S. Typhimurium	1
	Meat from pig - meat preparation - intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	138	1	Salmonella - S. Rissen	1
	Meat from pig - meat preparation - intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Suspect sampling	batch	10	Gram	5	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten raw (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	32	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten raw (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	3	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten raw (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	125	0	Salmonella	0
	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Catering (not specified) - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	8	0	Salmonella	0
	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	468	1	Salmonella - S. Typhimurium	1
	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	56	0	Salmonella	0
	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	68	0	Salmonella	0
	Meat from pig - meat products - cooked, ready-to-eat (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	19	0	Salmonella	0
	Meat from pig - meat products - raw but intended to be eaten cooked (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	5	1	Salmonella - S. Typhimurium	1
	Meat from pig - meat products - raw but intended to be eaten cooked (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	6	0	Salmonella	0
	Meat from pig - meat products - raw but intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	174	1	Salmonella - S. Bredeney	1
	Meat from pig - meat products - raw but intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	15	1	Salmonella - S. Ruzizi	1
	Meat from pig - meat products - raw but intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	16	1	Salmonella - S. Derby	1
	Meat from pig - meat products - raw but intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	33	1	Salmonella - S. Infantis	1
	Meat from pig - meat products - raw but intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Selective sampling	batch	25	Gram	16	0	Salmonella	0
	Meat from pig - meat products - raw but intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Suspect sampling	batch	25	Gram	1	0	Salmonella	0
	Meat from pig - mechanically separated meat (MSM) (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	7	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
Romania	Meat from pig - minced meat - intended to be eaten cooked (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	79	13	Salmonella - S. Bredeney	2
							Salmonella - S. Derby	2
							Salmonella - S. Enteritidis	1
							Salmonella - S. Infantis	2
							Salmonella - S. Rissen	2
							Salmonella - S. Typhimurium	4
	Meat from pig - minced meat - intended to be eaten cooked (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	114	6	Salmonella - S. Derby	1
							Salmonella - S. Infantis	1
							Salmonella - S. Rissen	1
							Salmonella - S. Ruzizi	1
	Meat from pig - minced meat - intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	1012	4	Salmonella - S. Derby	2
							Salmonella - S. Enteritidis	1
	Meat from pig - minced meat - intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	134	0	Salmonella	0
							Salmonella	0
	Meat from pig - minced meat - intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	378	6	Salmonella - S. Brandenburg	1
							Salmonella - S. Derby	1
							Salmonella - S. Typhimurium	4
	Meat from pig - minced meat - intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	166	0	Salmonella	0
							Salmonella	0
	Meat from pig - minced meat - intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Selective sampling	batch	10	Gram	30	0	Salmonella	0
							Salmonella	0
	Meat from pig - minced meat - intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Suspect sampling	batch	10	Gram	5	0	Salmonella	0
							Salmonella	0
Meat from pig - minced meat - intended to be eaten raw (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	12	0	Salmonella	0	
						Salmonella	0	
Meat from pig - minced meat - intended to be eaten raw (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	6	0	Salmonella	0	
						Salmonella	0	
Meat from pig - minced meat - intended to be eaten raw (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	35	0	Salmonella	0	
						Salmonella	0	
Meat from pig - minced meat - intended to be eaten raw (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	16	0	Salmonella	0	
						Salmonella	0	
Meat from pig - minced meat - intended to be eaten raw (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	9	0	Salmonella	0	
						Salmonella	0	
Meat from pig - minced meat - intended to be eaten raw (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	14	0	Salmonella	0	
						Salmonella	0	
Meat from poultry, unspecified - meat preparation (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	28	0	Salmonella	0	
						Salmonella	0	
Meat from poultry, unspecified - meat preparation (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	6	0	Salmonella	0	
						Salmonella	0	
Meat from poultry, unspecified - meat products (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	Salmonella	0	
						Salmonella	0	
Meat from poultry, unspecified - meat products (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	13	0	Salmonella	0	
						Salmonella	0	
Meat from poultry, unspecified - offal - liver (not specified) - Slaughterhouse - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	4	1	Salmonella - S. Infantis	1	
						Salmonella - S. Infantis	1	
Meat from poultry, unspecified - offal - unspecified (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	4	1	Salmonella - S. Infantis	1	
						Salmonella - S. Infantis	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
Romania	Meat from poultry, unspecified - offal - unspecified (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	4	1	Salmonella - S. Infantis	1
	Meat from poultry, unspecified - offal - unspecified (not specified) - Slaughterhouse - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	4	1	Salmonella - S. Enteritidis	1
	Meat from sheep - carcase (not specified) - Slaughterhouse - Romania - food sample - carcase swabs - Surveillance - HACCP and own check - Objective sampling	batch	400	Square centimetre	146	0	Salmonella	0
	Meat from sheep - carcase (not specified) - Slaughterhouse - Romania - food sample - carcase swabs - Surveillance - Official sampling - Objective sampling	batch	400	Square centimetre	86	0	Salmonella	0
	Meat from sheep - fresh (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Meat from sheep - fresh (not specified) - Packing centre (not specified) - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Meat from sheep - fresh (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	9	0	Salmonella	0
	Meat from sheep - fresh (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Selective sampling	batch	25	Gram	4	0	Salmonella	0
	Meat from sheep - fresh (not specified) - Slaughterhouse - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	10	0	Salmonella	0
	Meat from sheep - fresh (not specified) - Slaughterhouse - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Meat from sheep - minced meat (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	1	0	Salmonella	0
	Meat from sheep - minced meat (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	1	0	Salmonella	0
	Meat from sheep - minced meat (not specified) - Slaughterhouse - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	2	0	Salmonella	0
	Meat from turkey - fresh (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	13	0	Salmonella	0
	Meat from turkey - fresh (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Meat from turkey - fresh (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	7	0	Salmonella	0
	Meat from turkey - fresh (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Meat from turkey - fresh (not specified) - Slaughterhouse - Romania - food sample - meat - Surveillance - Official sampling - Selective sampling	batch	25	Gram	13	0	Salmonella	0
	Meat from turkey - fresh (not specified) - Slaughterhouse - Romania - food sample - neck skin - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	32	0	Salmonella	0
	Meat from turkey - meat products - raw but intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	19	1	Salmonella - S. Derby	1
	Meat from turkey - meat products - raw but intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	13	0	Salmonella	0
	Meat from turkey - mechanically separated meat (MSM) (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Meat from turkey - minced meat - intended to be eaten cooked (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	18	0	Salmonella	0
	Meat from turkey - minced meat - intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	28	0	Salmonella	0
	Meat from turkey - minced meat - intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	6	0	Salmonella	0
	Meat from wild game - birds - meat preparation (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	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
Romania	Meat from wild game - land mammals - meat preparation (not specified) - Game handling establishment - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	1	0	Salmonella	0
	Meat from wild game - land mammals - meat products (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Meat from wild game - land mammals (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Meat, mixed meat - meat preparation (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	47	4	Salmonella - S. Brandenburg Salmonella - S. Derby Salmonella - S. Enteritidis	1 1 2
	Meat, mixed meat - meat preparation (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	43	2	Salmonella - S. Gloucester Salmonella - S. Rissen	1 1
	Meat, mixed meat - meat preparation (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	1255	4	Salmonella - S. Gloucester Salmonella - S. Kedougou Salmonella - S. Typhimurium	1 1 2
	Meat, mixed meat - meat preparation (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	34	0	Salmonella	0
	Meat, mixed meat - meat preparation (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Selective sampling	batch	10	Gram	29	0	Salmonella	0
	Meat, mixed meat - meat preparation (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	389	4	Salmonella - S. Derby Salmonella - S. Mbandaka Salmonella - S. Oritamerin Salmonella - S. Typhimurium	1 1 1 1
	Meat, mixed meat - meat preparation (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	181	1	Salmonella - S. Infantis	1
	Meat, mixed meat - meat preparation (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Selective sampling	batch	10	Gram	9	0	Salmonella	0
	Meat, mixed meat - meat preparation (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Suspect sampling	batch	10	Gram	10	1	Salmonella - S. Typhimurium	1
	Meat, mixed meat - meat preparation (not specified) - Slaughterhouse - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	80	0	Salmonella	0
	Meat, mixed meat - meat preparation (not specified) - Slaughterhouse - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	36	0	Salmonella	0
	Meat, mixed meat - meat products - cooked, ready-to-eat (not specified) - Catering (not specified) - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	4	0	Salmonella	0
	Meat, mixed meat - meat products - cooked, ready-to-eat (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	6	0	Salmonella	0
	Meat, mixed meat - meat products - cooked, ready-to-eat (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	998	0	Salmonella	0
	Meat, mixed meat - meat products - cooked, ready-to-eat (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	36	0	Salmonella	0
	Meat, mixed meat - meat products - cooked, ready-to-eat (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Selective sampling	batch	25	Gram	26	0	Salmonella	0
	Meat, mixed meat - meat products - cooked, ready-to-eat (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	64	0	Salmonella	0
	Meat, mixed meat - meat products - cooked, ready-to-eat (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	18	0	Salmonella	0
	Meat, mixed meat - meat products - cooked, ready-to-eat (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Selective sampling	batch	25	Gram	34	0	Salmonella	0
	Meat, mixed meat - meat products - cooked, ready-to-eat (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Suspect sampling	batch	25	Gram	1	0	Salmonella	0
	Meat, mixed meat - meat products - cooked, ready-to-eat (not specified) - Slaughterhouse - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	7	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
Romania	Meat, mixed meat - meat products - raw and intended to be eaten raw (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	215	0	Salmonella	0
	Meat, mixed meat - meat products - raw and intended to be eaten raw (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	60	0	Salmonella	0
	Meat, mixed meat - meat products - raw and intended to be eaten raw (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Suspect sampling	batch	25	Gram	4	1	Salmonella - S. Typhimurium	1
	Meat, mixed meat - meat products - raw and intended to be eaten raw (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	38	0	Salmonella - S. Infantis	0
	Meat, mixed meat - meat products - raw and intended to be eaten raw (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	31	0	Salmonella	0
	Meat, mixed meat - meat products - raw and intended to be eaten raw (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Selective sampling	batch	25	Gram	8	0	Salmonella	0
	Meat, mixed meat - meat products - raw but intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	305	3	Salmonella - S. Rissen	3
	Meat, mixed meat - meat products - raw but intended to be eaten cooked (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	42	1	Salmonella - S. Ruzizi	1
	Meat, mixed meat - meat products - raw but intended to be eaten cooked (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	32	3	Salmonella - S. Infantis Salmonella - S. Typhimurium	1 2
	Meat, mixed meat - meat products - raw but intended to be eaten cooked (not specified) - Slaughterhouse - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	21	0	Salmonella	0
	Meat, mixed meat - minced meat (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	76	0	Salmonella	0
	Meat, mixed meat - minced meat (not specified) - Cutting plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	56	0	Salmonella	0
	Meat, mixed meat - minced meat (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	680	3	Salmonella - S. Derby Salmonella - S. Rissen Salmonella - S. Typhimurium	1 1 1
	Meat, mixed meat - minced meat (not specified) - Processing plant - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	16	0	Salmonella	0
	Meat, mixed meat - minced meat (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	10	Gram	483	0	Salmonella	0
	Meat, mixed meat - minced meat (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	10	Gram	50	1	Salmonella - S. Typhimurium	1
	Meat, mixed meat - minced meat (not specified) - Retail - Romania - food sample - meat - Surveillance - Official sampling - Selective sampling	batch	10	Gram	14	0	Salmonella	0
	Milk, cows' - pasteurised milk - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Millilitre	19	0	Salmonella	0
	Milk, cows' - pasteurised milk - Processing plant - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Millilitre	15	0	Salmonella	0
	Milk, cows' - pasteurised milk - Retail - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Millilitre	3	0	Salmonella	0
	Milk, cows' - pasteurised milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Suspect sampling	batch	25	Millilitre	1	0	Salmonella	0
	Milk, cows' - raw milk - intended for direct human consumption - Packing centre (not specified) - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Millilitre	5	0	Salmonella	0
	Milk, sheep's - raw milk for manufacture - intended for manufacture of raw or low heat-treated products - Retail - Romania - food sample - milk - Surveillance - Official sampling - Suspect sampling	batch	25	Millilitre	1	0	Salmonella	0
	Molluscan shellfish - cooked (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	23	0	Salmonella	0
	Molluscan shellfish - cooked (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Molluscan shellfish - raw (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	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
Romania	Other food - Catering (not specified) - Romania - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	batch	25	Gram	1	1	Salmonella - S. Enteritidis	1
	Other food of non-animal origin - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	34	0	Salmonella	0
	Other food of non-animal origin - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	10	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - containing raw egg (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - containing raw egg (not specified) - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Other processed food products and prepared dishes (not specified) - Catering (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	829	0	Salmonella	0
	Other processed food products and prepared dishes (not specified) - Catering (not specified) - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	59	1	Salmonella - S. Enteritidis	1
	Other processed food products and prepared dishes (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	131	0	Salmonella	0
	Other processed food products and prepared dishes (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	14	0	Salmonella	0
	Other processed food products and prepared dishes (not specified) - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	323	0	Salmonella	0
	Other processed food products and prepared dishes (not specified) - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	7	0	Salmonella	0
	Other processed food products and prepared dishes (not specified) - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Selective sampling	batch	25	Gram	21	0	Salmonella	0
	Other products of animal origin - gelatin and collagen - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	14	0	Salmonella	0
	Other products of animal origin - gelatin and collagen - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Other products of animal origin - gelatin and collagen - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	13	0	Salmonella	0
	Other products of animal origin (not specified) - Processing plant - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	70	1	Salmonella - S. Typhimurium	1
	Other products of animal origin (not specified) - Retail - Romania - food sample - meat - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Other products of animal origin (not specified) - Slaughterhouse - Romania - food sample - meat - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Seeds, sprouted - ready-to-eat - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	4	0	Salmonella	0
	Seeds, sprouted - ready-to-eat - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	5	0	Salmonella	0
	Seeds, sprouted - ready-to-eat - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Suspect sampling	batch	25	Gram	2	0	Salmonella	0
	Snails - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	53	0	Salmonella	0
	Spices and herbs (not specified) - Catering (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	15	0	Salmonella	0
	Spices and herbs (not specified) - Packing centre (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	9	0	Salmonella	0
	Spices and herbs (not specified) - Packing centre (not specified) - Romania - food sample (not specified) - Surveillance - Official sampling - Selective sampling	batch	25	Gram	8	0	Salmonella	0
	Spices and herbs (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	173	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
Romania	Spices and herbs (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Spices and herbs (not specified) - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	37	1	Salmonella - S. Typhimurium	1
	Vegetables - pre-cut (not specified) - Catering (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Vegetables - pre-cut (not specified) - Catering (not specified) - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	34	0	Salmonella	0
	Vegetables - pre-cut (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	15	0	Salmonella	0
	Vegetables - pre-cut (not specified) - Processing plant - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	15	0	Salmonella	0
	Vegetables - pre-cut (not specified) - Retail - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	19	0	Salmonella	0
	Vegetables - pre-cut (not specified) - Retail - Romania - food sample (not specified) - Surveillance - Official sampling - Objective sampling	batch	25	Gram	83	0	Salmonella	0
	Vegetables - products - dried - Packing centre (not specified) - Romania - food sample (not specified) - Surveillance - HACCP and own check - Objective sampling	batch	25	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
Romania	Compound feedingstuffs for cattle - final product (not specified) - Farm (not specified) - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	6	0	Salmonella	0
	Compound feedingstuffs for cattle - final product (not specified) - Farm (not specified) - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Compound feedingstuffs for cattle - final product (not specified) - Farm (not specified) - Romania - feed sample - Surveillance - Official sampling - Selective sampling	batch	25	Gram	1	0	Salmonella	0
	Compound feedingstuffs for cattle - final product (not specified) - Feed mill - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	9	0	Salmonella	0
	Compound feedingstuffs for cattle - final product (not specified) - Feed mill - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Compound feedingstuffs for cattle - process control (not specified) - Farm (not specified) - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Compound feedingstuffs for cattle (not specified) - Feed mill - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	5	0	Salmonella	0
	Compound feedingstuffs for fish (not specified) - Feed mill - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Compound feedingstuffs for fish (not specified) - Retail - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Compound feedingstuffs for pigs - final product (not specified) - Farm (not specified) - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	37	0	Salmonella	0
	Compound feedingstuffs for pigs - final product (not specified) - Farm (not specified) - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	8	0	Salmonella	0
	Compound feedingstuffs for pigs - final product (not specified) - Farm (not specified) - Romania - feed sample - Surveillance - Official sampling - Selective sampling	batch	25	Gram	7	0	Salmonella	0
	Compound feedingstuffs for pigs - final product (not specified) - Feed mill - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	113	0	Salmonella	0
	Compound feedingstuffs for pigs - final product (not specified) - Feed mill - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	34	1	Salmonella - S. Kedougou	1
	Compound feedingstuffs for pigs - process control (not specified) - Farm (not specified) - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	5	0	Salmonella	0
	Compound feedingstuffs for pigs - process control (not specified) - Farm (not specified) - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Compound feedingstuffs for pigs - process control (not specified) - Feed mill - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Compound feedingstuffs for pigs - process control (not specified) - Feed mill - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	9	0	Salmonella	0
	Compound feedingstuffs for poultry (non specified) - final product (not specified) - Farm (not specified) - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	13	0	Salmonella	0
	Compound feedingstuffs for poultry (non specified) - final product (not specified) - Farm (not specified) - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	5	0	Salmonella	0
	Compound feedingstuffs for poultry (non specified) - final product (not specified) - Farm (not specified) - Romania - feed sample - Surveillance - Official sampling - Selective sampling	batch	25	Gram	2	0	Salmonella	0
	Compound feedingstuffs for poultry (non specified) - final product (not specified) - Feed mill - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	138	0	Salmonella	0
	Compound feedingstuffs for poultry (non specified) - final product (not specified) - Feed mill - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	17	0	Salmonella	0
	Compound feedingstuffs for poultry (non specified) - final product (not specified) - Retail - Romania - feed sample - 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
Romania	Compound feedingstuffs for poultry (non specified) - process control (not specified) - Farm (not specified) - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	5	0	Salmonella	0
	Compound feedingstuffs for poultry (non specified) - process control (not specified) - Feed mill - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	13	0	Salmonella	0
	Compound feedingstuffs for poultry (non specified) - process control (not specified) - Feed mill - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Compound feedingstuffs for poultry, breeders (not specified) - Farm (not specified) - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	17	0	Salmonella	0
	Compound feedingstuffs for poultry, breeders (not specified) - Farm (not specified) - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Compound feedingstuffs for poultry, breeders (not specified) - Feed mill - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Compound feedingstuffs for poultry, broilers - final product (not specified) - Farm (not specified) - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	84	0	Salmonella	0
	Compound feedingstuffs for poultry, broilers - final product (not specified) - Farm (not specified) - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	4	0	Salmonella	0
	Compound feedingstuffs for poultry, broilers - final product (not specified) - Feed mill - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	78	0	Salmonella	0
	Compound feedingstuffs for poultry, broilers - final product (not specified) - Feed mill - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	15	0	Salmonella	0
	Compound feedingstuffs for poultry, broilers - process control (not specified) - Farm (not specified) - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	11	0	Salmonella	0
	Compound feedingstuffs for poultry, broilers - process control (not specified) - Feed mill - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	18	0	Salmonella	0
	Compound feedingstuffs for poultry, broilers - process control (not specified) - Feed mill - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	8	0	Salmonella	0
	Compound feedingstuffs for poultry, laying hens - final product (not specified) - Farm (not specified) - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	27	0	Salmonella	0
	Compound feedingstuffs for poultry, laying hens - final product (not specified) - Farm (not specified) - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Compound feedingstuffs for poultry, laying hens - final product (not specified) - Farm (not specified) - Romania - feed sample - Surveillance - Official sampling - Selective sampling	batch	25	Gram	1	0	Salmonella	0
	Compound feedingstuffs for poultry, laying hens - final product (not specified) - Feed mill - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	36	0	Salmonella	0
	Compound feedingstuffs for poultry, laying hens - final product (not specified) - Feed mill - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	14	0	Salmonella	0
	Compound feedingstuffs for poultry, laying hens - process control (not specified) - Farm (not specified) - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Compound feedingstuffs for poultry, laying hens - process control (not specified) - Feed mill - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Compound feedingstuffs for poultry, laying hens - process control (not specified) - Feed mill - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	6	0	Salmonella	0
	Feed material of cereal grain origin - barley derived - Farm (not specified) - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Feed material of cereal grain origin - barley derived - Feed mill - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Feed material of cereal grain origin - barley derived - Feed mill - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	8	0	Salmonella	0
	Feed material of cereal grain origin - maize derived - Farm (not specified) - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	6	0	Salmonella	0
	Feed material of cereal grain origin - maize derived - Farm (not specified) - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	11	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
Romania	Feed material of cereal grain origin - maize derived - Feed mill - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	5	0	Salmonella	0
	Feed material of cereal grain origin - maize derived - Feed mill - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	26	0	Salmonella	0
	Feed material of cereal grain origin - wheat derived - Farm (not specified) - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Feed material of cereal grain origin - wheat derived - Farm (not specified) - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Feed material of cereal grain origin - wheat derived - Feed mill - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	7	0	Salmonella	0
	Feed material of cereal grain origin - wheat derived - Feed mill - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	12	0	Salmonella	0
	Feed material of land animal origin - animal fat - Processing plant - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	110	0	Salmonella	0
	Feed material of land animal origin - blood meal - Processing plant - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	19	0	Salmonella	0
	Feed material of land animal origin - dairy products - whey powder - Processing plant - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	8	0	Salmonella	0
	Feed material of land animal origin - dairy products - whey powder - Processing plant - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	9	0	Salmonella	0
	Feed material of land animal origin - feather meal - Processing plant - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	160	0	Salmonella	0
	Feed material of land animal origin - meat and bone meal - Processing plant - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	13	0	Salmonella	0
	Feed material of land animal origin - meat and bone meal - Slaughterhouse - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Feed material of land animal origin - meat meal (not specified) - Processing plant - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	86	0	Salmonella	0
	Feed material of land animal origin - poultry offal meal - Processing plant - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	149	4	Salmonella - S. Rissen	1
							Salmonella - S. Senftenberg	1
							Salmonella - S. Typhimurium	2
	Feed material of land animal origin - poultry offal meal - Processing plant - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Feed material of marine animal origin - fish meal - Packing centre (not specified) - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Feed material of marine animal origin - fish meal - Processing plant - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	8	0	Salmonella	0
	Feed material of marine animal origin - fish meal - Processing plant - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	6	0	Salmonella	0
	Feed material of marine animal origin - fish meal - Retail - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Salmonella	0
	Feed material of marine animal origin - other fish products - Processing plant - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Feed material of oil seed or fruit origin - other oil seeds derived - Farm (not specified) - Romania - feed sample - Surveillance - Official sampling - Selective sampling	batch	25	Gram	2	0	Salmonella	0
	Feed material of oil seed or fruit origin - other oil seeds derived - Feed mill - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	8	0	Salmonella	0
	Feed material of oil seed or fruit origin - other oil seeds derived - Packing centre (not specified) - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Feed material of oil seed or fruit origin - soya (bean) derived - Farm (not specified) - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Feed material of oil seed or fruit origin - soya (bean) derived - Farm (not specified) - Romania - feed sample - 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
Romania	Feed material of oil seed or fruit origin - soya (bean) derived - Feed mill - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	63	1	Salmonella - S. Infantis	1
	Feed material of oil seed or fruit origin - soya (bean) derived - Feed mill - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	46	0	Salmonella	0
	Feed material of oil seed or fruit origin - sunflower seed derived - Farm (not specified) - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Feed material of oil seed or fruit origin - sunflower seed derived - Farm (not specified) - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Feed material of oil seed or fruit origin - sunflower seed derived - Feed mill - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	71	1	Salmonella - S. Tennessee	1
	Feed material of oil seed or fruit origin - sunflower seed derived - Feed mill - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	14	1	Salmonella - S. Tennessee	1
	Feed material of oil seed or fruit origin - sunflower seed derived - Packing centre (not specified) - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	9	0	Salmonella	0
	Other feed material - forages and roughages - Farm (not specified) - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	Salmonella	0
	Other feed material - forages and roughages - Feed mill - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	8	0	Salmonella	0
	Other feed material - legume seeds and similar products - Feed mill - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	12	0	Salmonella	0
	Other feed material - other seeds and fruits - Feed mill - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Other feed material (not specified) - Farm (not specified) - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	8	0	Salmonella	0
	Other feed material (not specified) - Farm (not specified) - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	4	0	Salmonella	0
	Other feed material (not specified) - Feed mill - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	13	0	Salmonella	0
	Other feed material (not specified) - Feed mill - Romania - feed sample - Surveillance - Official sampling - Objective sampling	batch	25	Gram	4	0	Salmonella	0
	Pet food - dog snacks (pig ears, chewing bones) - Processing plant - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	12	0	Salmonella	0
	Pet food - final product - canned products - Processing plant - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	5	0	Salmonella	0
	Pet food - final product - canned products - Slaughterhouse - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	2	0	Salmonella	0
	Premixtures (not specified) - Feed mill - Romania - feed sample - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	17	0	Salmonella	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
Romania	Cheeses made from cows' milk - hard - made from pasteurised milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	17	0	Staphylococcal enterotoxins	0
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	16	0	Staphylococcal enterotoxins	0
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	2	0	Staphylococcal enterotoxins	0
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	5	0	Staphylococcal enterotoxins	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	5	0	Staphylococcal enterotoxins	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	6	0	Staphylococcal enterotoxins	0
	Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	8	0	Staphylococcal enterotoxins	0
	Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	6	0	Staphylococcal enterotoxins	0
	Cheeses, made from unspecified milk or other animal milk - unspecified - made from pasteurised milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Staphylococcal enterotoxins	0
	Cheeses, made from unspecified milk or other animal milk - unspecified - made from raw or low heat-treated milk - Retail - Romania - food sample - milk - Surveillance - HACCP and own check - Objective sampling	batch	25	Gram	1	0	Staphylococcal enterotoxins	0
	Dairy products (excluding cheeses) - milk powder and whey powder - Processing plant - Romania - food sample - milk - Surveillance - Official sampling - Suspect sampling	batch	25	Gram	1	0	Staphylococcal enterotoxins	0
	Dairy products (excluding cheeses) - milk powder and whey powder - Retail - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	5	0	Staphylococcal enterotoxins	0
	Milk, cows' - pasteurised milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Objective sampling	batch	25	Gram	3	0	Staphylococcal enterotoxins	0
	Milk, cows' - pasteurised milk - Retail - Romania - food sample - milk - Surveillance - Official sampling - Suspect sampling	single	25	Gram	1	0	Staphylococcal enterotoxins	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>
Romania	Sheep (not specified) - Farm (not specified) - Romania - animal sample - blood - Surveillance - Official sampling - Objective sampling	animal	9	5	Toxoplasma	5

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		
Romania	Bears - wild - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	131	29	Trichinella - T. britovi	9		
					Trichinella - T. spiralis	8		
					Trichinella - Trichinella spp., unspecified	12		
	Pigs - breeding animals - not raised under controlled housing conditions - sows and boars - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	12655	0	Trichinella - Trichinella spp., unspecified	0		
	Pigs - breeding animals - raised under controlled housing conditions - sows and boars - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	37284	0	Trichinella	0		
	Pigs - fattening pigs - not raised under controlled housing conditions (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	3359	0	Trichinella	0		
					13397	87	Trichinella - T. britovi	7
					9		Trichinella - T. spiralis	14
					Trichinella - Trichinella spp., unspecified	67		
	Pigs - fattening pigs - raised under controlled housing conditions (not specified) - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	46066	0	Trichinella	0		
	Solipeds, domestic - horses - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	6674	0	Trichinella	0		
			14330	0	Trichinella	0		
	Wild boars - farmed - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	149	0	Trichinella - Trichinella spp., unspecified	0		
	Wild boars - wild - Slaughterhouse - Romania - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	19731	94	Trichinella - T. britovi	28		
Trichinella - T. spiralis					23			
Trichinella - Trichinella spp., unspecified					43			

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
Romania	Solipeds, domestic - horses - Farm (not specified) - Romania - animal sample - blood - Surveillance - Official sampling - Objective sampling	holding	No	171	12	West Nile virus	12
Braila	Solipeds, domestic - horses - Farm (not specified) - Romania - animal sample - blood - Surveillance - Official sampling - Objective sampling	holding	No	129	12	West Nile virus	12
Constanta	Solipeds, domestic - horses - Farm (not specified) - Romania - animal sample - blood - Surveillance - Official sampling - Objective sampling	holding	No	42	0	West Nile virus	0

# FOODBORNE OUTBREAKS TABLES

## Foodborne Outbreaks: summarized data

Causative agent	Food vehicle	Outbreak strenght		Strong				Weak			
		N outbreaks	N human cases	N		N outbreaks	N human cases	N			
				hospitalized	N deaths			hospitalized	N deaths		
Bacillus - B. cereus	Milk	1	23	21	0						
C. botulinum toxin	Pig meat and products thereof	1	2	2	0						
Salmonella - S. Enteritidis	Buffet meals	2	204	173	0						
Salmonella - S. Infantis	Mixed food	1	15	15	0						
Salmonella - S. Typhimurium	Broiler meat (Gallus gallus) and products thereof	1	4	2	0						
Salmonella - Salmonella spp., unspecified	Cheese	1	3	3	0						
	Unknown	1	16	4	0						
Staphylococcus	Cheese	1	12	12	0						
	Unknown					1	11	11	0		
Staphylococcus - S. aureus	Cheese	6	55	16	0	1	10	0	0		
Trichinella - Trichinella spp., unspecified	Other or mixed red meat and products thereof	2	11	7	0						
	Pig meat and products thereof	1	5	0	0						
Unknown	Mixed food					1	26	4	0		

## Strong Foodborne Outbreaks: detailed data

Causative agent	Other Causative Agent	FBO nat. code	Outbreak type	Food vehicle	More food vehicle info	Nature of evidence	Setting	Place of origin of problem	Origin of food vehicle	Contributory factors	Comment	N outbreaks	N human cases	N hosp.	N deaths
Bacillus - B. cereus	NOT AVAILABLE	unknown	General	Milk	Milk, cows' - pasteurised milk	Detection of causative agent in food vehicle or its component - Symptoms and onset of illness pathognomonic to causative agent	School or kindergarten	Unknown	Unknown	NOT AVAILABLE	Quantification of cereulide in milk and milk powder by liquid chromatography.	1	23	21	0
C. botulinum toxin	NOT AVAILABLE	unknown	Household / domestic kitchen	Pig meat and products thereof	Smoked ham pork ham (homemade)	Detection of causative agent in food vehicle or its component - Symptoms and onset of illness pathognomonic to causative agent	Household	Household	Unknown	Storage time/temperature abuse	unknown	1	2	2	0
Salmonella - S. Enteritidis	Listeria - L. monocytogenes	unknown	General	Buffet meals	Cold appetizers, hot snack	Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	Unknown	Infected food handler	Food and food dishes served at the wedding. Salmonella Enteritidis was isolated in the following products: Cheeses, made from unspecified milk or other animal milk; Meat, mixed meat - meat products ("dry salami") and Olives. Listeria monocytogenes was isolated in the Meat, mixed meat - meat products ("smoked pork sausages")	1	57	53	0
	NOT AVAILABLE	unknown	General	Buffet meals	Cold appetizers, hot snack	Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	Unknown	Infected food handler	Food and food dishes served at the wedding. Salmonella Enteritidis was isolated in Meat, mixed meat - meat products - fresh raw sausages ("dry salami") and Olives.	1	147	120	0

Causative agent	Other Causative Agent	FBO nat. code	Outbreak type	Food vehicle	More food vehicle info	Nature of evidence	Setting	Place of origin of problem	Origin of food vehicle	Contributory factors	Comment	N outbreaks	N human cases	N hosp.	N deaths
Salmonella - S. Infantis	Listeria - L. monocytogenes	unknown	General	Mixed food	Food dishes: soup, macaroni and cheese, chicken stew, dry salami	Detection of causative agent in food vehicle or its component - Symptoms and onset of illness pathognomonic to causative agent	Canteen or workplace catering	Residential institution (nursing home or prison or boarding school)	Unknown	Other contributory factor	Foods were consumed by children in a boarding house, in a school camp. Salmonella infantis was isolated in Meat from broilers (Gallus gallus) - fresh ("bulk chicken thighs"). Listeria monocytogenes was isolated in Meat, mixed meat - meat products - fresh raw sausages ("dry summer salami").	1	15	15	0
Salmonella - S. Typhimurium	NOT AVAILABLE	unknown	Household / domestic kitchen	Broiler meat (Gallus gallus) and products thereof	Chicken prepared (ready-to-eat)	Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans	Household	Take-away or fast-food outlet	Unknown	Cross-contamination	unknown	1	4	2	0
Salmonella - Salmonella spp., unspecified	NOT AVAILABLE	unknown	General	Unknown	The food involved in this food-borne outbreak was not identified	Detection of causative agent in food chain or its environment - Detection of indistinguishable causative agent in humans	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	NOT AVAILABLE	Unknown	Unknown	unknown	1	16	4	0
			Household / domestic kitchen	Cheese	Cheeses made from sheep's milk - soft and semi-soft - made from pasteurised milk	Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans	Household	Household	Unknown	Infected food handler	unknown	1	3	3	0

Causative agent	Other Causative Agent	FBO nat. code	Outbreak type	Food vehicle	More food vehicle info	Nature of evidence	Setting	Place of origin of problem	Origin of food vehicle	Contributory factors	Comment	N outbreaks	N human cases	N hosp.	N deaths
Staphylococcus	NOT AVAILABLE	unknown	General	Cheese	Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk	Detection of causative agent in food vehicle or its component - Symptoms and onset of illness pathognomonic to causative agent	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	NOT AVAILABLE	Unknown	NOT AVAILABLE	unknown	1	12	12	0
Staphylococcus - S. aureus	NOT AVAILABLE	unknown	General	Cheese	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk	Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans	Canteen or workplace catering	NOT AVAILABLE	Romania	Cross-contamination	unknown	1	35	4	0
					Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk	Detection of causative agent in food vehicle or its component - Symptoms and onset of illness pathognomonic to causative agent	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	NOT AVAILABLE	Unknown	Other contributory factor	The epidemiological investigation showed deficiency handling in the kitchen of the restaurant.	1	6	1	0
					Cheeses made from sheep's milk - fresh	Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans	Unknown	Mobile retailer or market/street vendor	Romania	Infected food handler	The contamination of sheep cheese with Staphylococcus aureus, was made by the producer which was diagnosed as carrier	1	6	3	0
					Household / domestic kitchen	Cheeses made from sheep's milk - soft and semi-soft - made from raw or low heat-treated milk	Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans	Household	NOT AVAILABLE	Romania	Unknown	unknown	3	8	8

Causative agent	Other Causative Agent	FBO nat. code	Outbreak type	Food vehicle	More food vehicle info	Nature of evidence	Setting	Place of origin of problem	Origin of food vehicle	Contributory factors	Comment	N outbreaks	N human cases	N hosp.	N deaths
Trichinella - Trichinella spp., unspecified	NOT AVAILABLE	unknown	General	Other or mixed red meat and products thereof	Meat and products thereof from wild boars	Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans	Household	Household	Romania	NOT AVAILABLE	Contamination from uncontrolled meat consumption	1	7	7	0
			Household / domestic kitchen	Other or mixed red meat and products thereof	Meat and products thereof from wild boars	Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans	Household	Household	Romania	NOT AVAILABLE	Contamination from uncontrolled meat consumption	1	4	0	0
				Pig meat and products thereof	Pig meat from backyards (not raised under controlled housing conditions)	Detection of causative agent in food vehicle or its component - Symptoms and onset of illness pathognomonic to causative agent	Household	Household	Romania	NOT AVAILABLE	Contamination from uncontrolled meat consumption	1	5	0	0



Weak Foodborne Outbreaks: detailed data

Causative agent	Other Causative Agent	FBO nat. code	Outbreak type	Food vehicle	More food vehicle info	Nature of evidence	Setting	Place of origin of problem	Origin of food vehicle	Contributory factors	Comment	N outbreaks	N human cases	N hosp.	N deaths
Staphylococcus	NOT AVAILABLE	unknown	General	Unknown	The food involved in this foodborne outbreak was not identified	Detection of causative agent in food chain or its environment - Detection of indistinguishable causative agent in humans	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	NOT AVAILABLE	Romania	NOT AVAILABLE	The epidemiological investigation showed that the worker was diagnosed as carrier	1	11	11	0
Staphylococcus - S. aureus	NOT AVAILABLE	unknown	Unknown	Cheese	Cheeses, made from mixed milk from cows, sheep and/or goats - unspecified	Descriptive epidemiological evidence	Others	Processing plant	Romania	Other contributory factor	The epidemiological investigation showed that the possible food involved in this outbreak have been mixed cheese and also deficient hygiene during processing and deficiency handling	1	10	0	0
Unknown	NOT AVAILABLE	unknown	General	Mixed food	Food dishes: meatball soup, spaghetti, cordon bleu, mashed	Unknown	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	Unknown	NOT AVAILABLE	unknown	1	26	4	0

# ANTIMICROBIAL RESISTANCE TABLES FOR CAMPYLOBACTER

Table Antimicrobial susceptibility testing of Campylobacter - C. coli in Goats - animals over 1 year

Sampling Stage: Farm (not specified)

Sampling Type: animal sample - caecum

Sampling Context: Clinical investigations

Sampler: Industry sampling

Sampling Strategy: Suspect sampling

Programme Code: OTHER AMR MON

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

Country of Origin: Romania

AM substance	Aminoglycosides - Gentamicin	Aminoglycosides - Streptomycin	Fluoroquinolones - Ciprofloxacin	Macrolides - Erythromycin	Quinolones - Nalidixic acid	Tetracyclines - Tetracycline
<b>ECOFF</b>	2	4	0.5	8	16	2
<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>	1	1	1	1	1	1
<b>N of resistant isolates</b>	0	1	0	0	0	1
<b>MIC</b>						
<=0.12			1			
<=1				1		
2	1					
4					1	
>16		1				
>64						1

Table Antimicrobial susceptibility testing of Campylobacter - C. coli in Cattle (bovine animals) - calves (under 1 year) (not specified)

Sampling Stage: Farm (not specified)

Sampling Type: animal sample - faeces

Sampling Context: Surveillance

Sampler: Industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

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

Country of Origin: Romania

AM substance	Aminoglycosides - Gentamicin	Aminoglycosides - Streptomycin	Fluoroquinolones - Ciprofloxacin	Macrolides - Erythromycin	Quinolones - Nalidixic acid	Tetracyclines - Tetracycline
<b>ECOFF</b>	2	4	0.5	8	16	2
<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>	2	2	2	2	2	2
<b>N of resistant isolates</b>	0	0	0	0	0	0
<b>MIC</b>						
<=0.12			2			
<=1				2		
1	2					2
4		2				
8					2	

Table Antimicrobial susceptibility testing of Campylobacter - C. coli in Sheep - animals under 1 year (lambs)

Sampling Stage: Farm (not specified)

Sampling Type: animal sample - caecum

Sampling Context: Clinical investigations

Sampler: Industry sampling

Sampling Strategy: Suspect sampling

Programme Code: OTHER AMR MON

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

Country of Origin: Romania

AM substance	Aminoglycosides - Gentamicin	Aminoglycosides - Streptomycin	Fluoroquinolones - Ciprofloxacin	Macrolides - Erythromycin	Quinolones - Nalidixic acid	Tetracyclines - Tetracycline
<b>ECOFF</b>	2	4	0.5	8	16	2
<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>	1	1	1	1	1	1
<b>N of resistant isolates</b>	0	0	0	0	0	0
<b>MIC</b>						
<=0.12			1			
<=0.5						1
<=1				1		
1	1					
2		1				
8					1	

Table Antimicrobial susceptibility testing of Campylobacter - C. fetus in Sheep (not specified)

Sampling Stage: Farm (not specified)

Sampling Type: animal sample - foetus/stillbirth

Sampling Context: Clinical investigations

Sampler: Industry sampling

Sampling Strategy: Suspect sampling

Programme Code: OTHER AMR MON

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

Country of Origin: Romania

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>	1	1	1	1	1	1
<b>N of resistant isolates</b>	0	0	1	0	1	0
<b>MIC</b>						
0.5	1					
<=1				1		
1			1			1
2		1				
>64					1	

Table Antimicrobial susceptibility testing of Campylobacter - C. jejuni in Cattle (bovine animals) - calves (under 1 year) (not specified)

Sampling Stage: Farm (not specified)

Sampling Type: animal sample - faeces

Sampling Context: Surveillance

Sampler: Industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

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

Country of Origin: Romania

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>	9	9	9	9	9	9
<b>N of resistant isolates</b>	0	0	3	0	3	4
<b>MIC</b>						
<=0.12			6			
<=0.5						5
0.5	9					
<=1				9		
2		9				
4					2	
8			2		4	
16			1			
>64					3	4

Table Antimicrobial susceptibility testing of Campylobacter - C. jejuni in Sheep (not specified)

Sampling Stage: Farm (not specified)

Sampling Type: animal sample - foetus/stillbirth

Sampling Context: Clinical investigations

Sampler: Industry sampling

Sampling Strategy: Suspect sampling

Programme Code: OTHER AMR MON

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

Country of Origin: Romania

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>4</b>	<b>16</b>	<b>1</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>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>
<b>N of resistant isolates</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>2</b>
<b>MIC</b>						
<=0.12			3			
<=0.5						3
0.5	4					
<=1				5		
1	1	2				
2		3				
4					3	
8			1			
16			1			
>64					2	2

ANTIMICROBIAL RESISTANCE TABLES FOR SALMONELLA

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

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

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	0.125	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	64	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	2	0	0	2	0	1	1	1	1
MIC														
<=0.015						1								
<=0.03			8											
0.03						6								
0.06		1	1											
<=0.25				9			7							8
0.25						1								
<=0.5	8				9									
<=1									5	4				
1	1						2							
<=2													7	
2						1			1	5				
<=4											7			
<=8		7										1		
8								7	1				1	
16		1						2			1	1		
32											1	2		
>32														1
64												3		
>64									2				1	
256												1		
>1024												1		



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

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

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

Country of Origin: Romania

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	0.125	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	64	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	2	0	0	2	1	1
MIC														
<=0.03			3											
0.03						3								
<=0.25				3			1							2
<=0.5	2				3									
0.5							2							
<=1										1				
1	1													
<=2													2	
2									1	2				
<=4											3			
4								1						
<=8		3												
8								2						
32									1					
>32														1
64									1					
>64													1	
128												1		
>1024												2		

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

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

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

Country of Origin: Romania

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	0.125	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	64	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	1	1	1
MIC														
<=0.03			1											
0.03						1								
<=0.25				1			1							
<=0.5					1									
<=1										1				
2	1								1					
4								1						
8											1			
16		1												
>32														1
>64													1	
>1024												1		

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

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

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

Country of Origin: Romania

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	0.125	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	64	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														
<=0.03			3											
0.03						3								
<=0.25				3										3
<=0.5	1				3									
<=1									1	2				
1	1						3		1					
2	1									1				
<=4											3			
4													1	
<=8		2												
8								2						
16		1						1	1			1		
>64													2	
128												1		
>1024												1		

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

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

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

Country of Origin: Romania

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	0.125	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	64	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	1	1	0	0	0	0	0	0	6	0	0	2	3	2
MIC														
<=0.03			6											
0.03						5								
0.06			1			2								
<=0.25				7			1							4
<=0.5	5				7									
0.5							5							
<=1										5				
1							1							1
<=2													4	
2	1								1	2				
<=4											4			
4								2						
<=8		4												
8								4			2			
16		2						1			1			
32												5		
>32														2
64									1					
>64	1								5				3	
>128		1												
>1024												2		

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: Cutting plant

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON pnl2

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

Country of Origin: Romania

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					
Cefotaxime synergy test	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	Positive/Present Negative/Absent	NOT AVAILABLE	Positive/Present Negative/Absent	NOT AVAILABLE			
Ceftazidime synergy test	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	Positive/Present	NOT AVAILABLE	NOT AVAILABLE	Positive/Present Negative/Absent	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	
ECOFF	0.06	0.5	0.125	0.125	0.25	8	0.5	0.25	0.25	0.25	0.5	0.5	0.5	0.5	32
Lowest limit	0.015	0.12	0.03	0.06	0.25	0.5	0.25	0.06	0.06	0.06	0.12	0.12	0.12	0.12	0.5
Highest limit	2	16	16	32	64	64	128	64	64	64	128	128	128	128	128
N of tested isolates	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
N of resistant isolates	0	0	0	31	33	12	31	12	12	12	8	8	8	8	3
MIC															
<=0.015	18														
<=0.03			31												
0.03	14														
<=0.06				1					9						
0.06	1		2						4						
<=0.12		20									7	1			
0.12				1				1	3		3	2			
<=0.25								1							
0.25		13		3					2	2	7			1	
0.5				2	1			1	4	1	2		2		
1				3	1			8	2	1		2			
2					2	1		9	2		3				3
4					12	2	13	6		1	2				10
8					8	4	7	5		1	1				15
16					2	16	1	2							2
32						3	4	1							
>32					1										
64						2	4								
>64						2	3								
>128															3

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified in Meat from pig - fresh (not specified)

Sampling Stage: Cutting plant

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON

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

Country of Origin: Romania

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	0.125	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	33	33	33	33	33	33	33	33	33	33	33	33	33	33
N of resistant isolates	6	12	0	33	31	12	0	1	31	0	11	29	27	25
MIC														
<=0.015						13								
<=0.03			30											
0.03						7								
0.06			3			1								
<=0.25							24							6
0.25						1								
<=0.5	16				2									
0.5				1		1	9							2
<=1										32				
1	7			1	7	1								
<=2								1					3	
2	4			3	9	1			2	1				
<=4											21			
4	1			2	8			14					2	
>4				26										
<=8		18										3		
8	2				4			14			1		1	1
>8					3	8								
16	1	3						3					2	1
32		1							1			1	2	
>32	2													23
64		2									1		3	
>64								1	30				20	
128		2									1			
>128		7									9			
>1024												29		

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

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON pnl2

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

Country of Origin: Romania

AM substance	Carbapenems - Ertapenem	Carbapenems - Imipenem	Carbapenems - Meropenem	Cephalosporins - Cefepime	Cephalosporins - Cefotaxime	Cephalosporins - Cefoxitin	Cephalosporins - Ceftazidime	Cephalosporins + $\beta$ lactamase inhibitores - Cefotaxime + Clavulanic acid	Cephalosporins + $\beta$ lactamase inhibitores - Ceftazidime + Clavulanic acid	Penicillins - Temocillin						
Cefotaxime synergy test	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	Positive/Present Negative/Absent	NOT AVAILABLE	NOT AVAILABLE					
Ceftazidime synergy test	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	Positive/Present	NOT AVAILABLE	NOT AVAILABLE	Positive/Present Negative/Absent	NOT AVAILABLE	NOT AVAILABLE			
ECOFF	0.06	0.5	0.125	0.125	0.25	8	0.5	0.25	0.25	0.25	0.5	0.5	0.5	32		
Lowest limit	0.015	0.12	0.03	0.06	0.25	0.5	0.25	0.06	0.06	0.06	0.12	0.12	0.12	0.5		
Highest limit	2	16	16	32	64	64	128	64	64	64	128	128	128	128		
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	19	20	7	20	10	10	10	8	8	8	1		
MIC																
<=0.015	5															
<=0.03	16															
0.03	15															
<=0.06				1								7				
0.06			4													
<=0.12	10															
0.12									2							
0.25	9		3							1	6	2				
0.5	1		1						1	1	1					
1							6	1	2	1	1	1				
2					1	4										
4				4	9	4			2	2						
8			8	4	4	3			3	3						
16				3	5	2										
32					7	1	1									
64						3	4									
>64							2									
>128														1		

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

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON

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

Country of Origin: Romania

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	0.125	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	20	20	20	20	20	20	20	20	20	20	20	20	20	20
N of resistant isolates	5	8	0	20	20	8	0	0	18	0	6	14	16	10
MIC														
<=0.015						6								
<=0.03			16											
0.03						4								
0.06			4			2								
<=0.25							11							5
0.25						1								
<=0.5	9													
0.5						1	5							4
<=1									1	20				
1	6				6	2	4							1
<=2								1					4	
2				1	4				1					
<=4											13			
4					4			7						
>4				19										
<=8		10										3		
8					2	2		12			1			
>8					4	2								
16	2	2										3		
32	3													
>32														10
64													1	
>64									18				15	
128		2												
>128		6									6			
>1024												14		



Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified in Meat from pig - fresh (not specified)

Sampling Stage: Catering (not specified)

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON pnl2

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

Country of Origin: Romania

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
Cefotaxime synergy test	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	Positive/Present	Negative/Absent	NOT AVAILABLE		NOT AVAILABLE
Ceftazidime synergy test	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	Positive/Present	Negative/Absent	NOT AVAILABLE
ECOFF	0.06	0.5	0.125	0.125	0.25	8	0.5	0.25	0.25	0.5	0.5	32
Lowest limit	0.015	0.12	0.03	0.06	0.25	0.5	0.25	0.06	0.06	0.12	0.12	0.5
Highest limit	2	16	16	32	64	64	128	64	64	128	128	128
N of tested isolates	10	10	10	10	10	10	10	10	10	10	10	10
N of resistant isolates	0	0	0	8	10	4	10	5	5	5	5	1
MIC												
<=0.015	6											
0.015	1											
<=0.03			9									
0.03	3											
<=0.06								2				
0.06			1					1				
<=0.12		5								1		
0.12				2						1		
0.25		5						2		1	2	
0.5				2								
1				1	1		4		2			
2						2	2	2			2	
4				3		3	1				1	3
8				1		1	1		1	1	1	6
16					5	1	1					
32				1	1	1						
64					1	1						
>64						1						
>128							1					1

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified in Meat from pig - fresh (not specified)

Sampling Stage: Catering (not specified)

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON

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

Country of Origin: Romania

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	0.125	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	10	10	10	10	10	10	10	10	10	10	10	10	10	10
N of resistant isolates	1	5	0	10	10	6	0	1	10	0	5	8	6	7
MIC														
<=0.015						4								
<=0.03			9											
0.06			1											
<=0.25							6							3
<=0.5	5													
0.5						2	4							
<=1										10				
1	2			1	4									
<=2								1					2	
2	2			2	2	2							1	
<=4											4			
4					1			4					1	
>4				7										
<=8		5										1		
8					1			4			1			
>8					2	2								
16	1													
32		1						1						
>32														7
64												1		
>64									10				6	
128											1			
>128		4									4			
>1024												8		

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

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON pnl2

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

Country of Origin: Romania

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				
Cefotaxime synergy test	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	Positive/Present	Negative/Absent	NOT AVAILABLE	Positive/Present	Negative/Absent	NOT AVAILABLE				
Ceftazidime synergy test	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	Positive/Present	Negative/Absent	NOT AVAILABLE	NOT AVAILABLE				
ECOFF	0.06	0.5	0.125	0.125	0.25	0.25	8	0.5	0.5	0.25	0.25	0.5	0.5	32
Lowest limit	0.015	0.12	0.03	0.06	0.25	0.25	0.5	0.25	0.25	0.06	0.06	0.12	0.12	0.5
Highest limit	2	16	16	32	64	64	64	128	128	64	64	128	128	64
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	5	6	6	2	6	6	3	3	3	3	0
MIC														
<=0.015	2													
<=0.03			6											
0.03	3													
<=0.06								3						
0.06	1													
<=0.12		2										1		
0.12				1										
0.25		2		2								1	1	
0.5		2						1				1		
1								1	1	2		1		1
2									1					
4				1				2		2				1
8				1				1	2			1		1
16					2									1
32					1				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

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

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

Country of Origin: Romania

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	0.125	0.25	0.5	0.064	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	399	399	399	399	399	399	399	399	399	399	399	399	399	399
N of resistant isolates	36	163	0	6	6	118	0	31	268	2	64	253	296	190
MIC														
<=0.015						235								
<=0.03			398											
0.03						39								
0.06						7								
0.12			1			10								
<=0.25				393			223							138
0.25						51								
<=0.5	118				393									
0.5			1			33	163							62
<=1								6	247					
1	216				3	6	13							7
<=2								46					90	
2	29		1	1	1	4			39	150				2
<=4											283			
4	2				2	1		235	78	1			11	
>4				4										
<=8		228										59		
8	1					6		74	8	1	37		2	
>8						7								
16	10	8						13			15	51	2	
32	6	14						12	2		4	32	7	
>32	17													190
64		20						8	8		1	4	74	
>64								11	258				213	
128		60									22	2		
>128		69									37			
256												1		
1024												5		
>1024												245		

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

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON pnl2

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

Country of Origin: Romania

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
Cefotaxime synergy test	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	Positive/Present Negative/Absent	NOT AVAILABLE	NOT AVAILABLE	Positive/Present Negative/Absent	NOT AVAILABLE	NOT AVAILABLE
Ceftazidime synergy test	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	Positive/Present Negative/Absent	NOT AVAILABLE	NOT AVAILABLE
ECOFF	0.06	0.5	0.125	0.125	0.25	0.25	8	0.5	0.5	0.5
Lowest limit	0.015	0.12	0.03	0.06	0.25	0.25	0.5	0.25	0.25	0.06
Highest limit	2	16	16	32	64	64	64	128	128	128
N of tested isolates	223	223	223	223	223	223	223	223	223	223
N of resistant isolates	4	0	0	205	223	223	46	201	201	0
<=0.015	149									
<=0.03			217							
0.03	54									
<=0.06				4				149		
0.06	16		6							
<=0.12		64							20	102
0.12	3			14				32		
<=0.25							1			
0.25	1	132		15				3	2	43
0.5		27		10	1	1	21		1	7
1				2	4	5		39	10	1
2				11	2	9	20	64	3	4
4				88	9	7	113	22	14	6
8				56	23	7	44	18	13	9
16				15	62	8	12	8	7	5
32				5	51	1	9	2	1	3
>32				3						1
64					25		18			
>64					8		7			

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

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON

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

Country of Origin: Romania

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	0.125	0.25	0.5	0.064	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	223	223	223	223	223	223	223	223	223	223	223	223	223	223
N of resistant isolates	46	93	0	223	201	120	0	32	223	8	89	164	159	139
MIC														
<=0.015						94								
<=0.03			217											
0.03						8								
0.06			5			1								
0.12			1			11								
<=0.25							141							47
0.25						25								
<=0.5	61				22									
0.5				1		19	74							34
<=1										142				
1	100			6	52	4	8							3
<=2								11					54	
2	16			16	62	1				73				
<=4											105			
4	1			13	35	3		128		4			8	
>4					187									
<=8		124										27		
8	3				30	19		40		3	23		2	
>8					22	38								
16	10	6						12		1	6	27	3	
32	15	2						8				4	8	
>32	17													139
64		5						8	2		4	1	30	
>64								16	221				118	
128		37									15			
>128		49									70			
1024												1		
>1024												163		

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified in Meat from bovine animals - fresh (not specified)

Sampling Stage: Cutting plant

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON pnl2

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

Country of Origin: Romania

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					
Cefotaxime synergy test	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	Positive/Present Negative/Absent	NOT AVAILABLE	NOT AVAILABLE				
Ceftazidime synergy test	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	Positive/Present	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE			
ECOFF	0.06	0.5	0.125	0.125	0.25	8	0.5	0.25	0.25	0.25	0.5	0.5	0.5	32	
Lowest limit	0.015	0.12	0.03	0.06	0.25	0.5	0.25	0.06	0.06	0.06	0.12	0.12	0.12	0.5	
Highest limit	2	16	16	32	64	64	128	64	64	64	128	128	128	128	
N of tested isolates	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
N of resistant isolates	0	0	0	10	10	2	9	2	2	2	1	1	1	0	
MIC															
<=0.015	6														
<=0.03	10														
0.03	4														
<=0.06									1	5					
0.06										2					
<=0.12	2												1	1	1
0.12												1			
0.25	8			1					1				3	1	1
0.5					1										
1							2								
2				1	1			3	1	1					
4				3	1	4	1								5
8				3	4		3						1	4	
16				1	2										1
32					4										
64						2	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: Cutting plant

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON

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

Country of Origin: Romania

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	0.125	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	10	10	10	10	10	10	10	10	10	10	10	10	10	10
N of resistant isolates	1	2	0	10	9	4	0	0	10	0	4	10	8	8
MIC														
<=0.015						4								
<=0.03			10											
0.03						2								
0.12						1								
<=0.25							7							2
<=0.5	4				1									
0.5							3							
<=1										9				
1	4				2									
2	1			1	3					1				
<=4											6			
4				1	1			3					1	
>4				8										
<=8		8												
8					3	1		6					1	
>8						2								
16	1							1						
>32														8
64		1									1		1	
>64									10				7	
>128		1									3			
>1024												10		



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

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON pnl2

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

Country of Origin: Romania

AM substance	Carbapenems - Ertapenem	Carbapenems - Imipenem	Carbapenems - Meropenem	Cephalosporins - Cefepime	Cephalosporins - Cefotaxime	Cephalosporins - Cefoxitin	Cephalosporins - Ceftazidime	Cephalosporins + $\beta$ lactamase inhibidores - Cefotaxime + Clavulanic acid	Cephalosporins + $\beta$ lactamase inhibidores - Ceftazidime + Clavulanic acid	Penicillins - Temocillin
Cefotaxime synergy test	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	Positive/Present	NOT AVAILABLE	NOT AVAILABLE
Ceftazidime synergy test	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	Positive/Present	Negative/Absent
ECOFF	0.06	0.5	0.125	0.125	0.25	8	0.5	0.25	0.5	0.5
Lowest limit	0.015	0.12	0.03	0.06	0.25	0.5	0.25	0.06	0.12	0.12
Highest limit	2	16	16	32	64	64	128	64	128	128
N of tested isolates	4	4	4	4	4	4	4	4	4	4
N of resistant isolates	0	0	0	4	4	1	4	0	0	0
MIC										
<=0.015	3									
<=0.03			4							
0.03	1									
<=0.12		2							1	
0.12								4		
0.25		2							2	1
1							2			
2							1			
4						1				2
8				3		2	1			2
16				1	1	1				
32					1					
64					1					
>64					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

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON

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

Country of Origin: Romania

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	0.125	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	1	1	0	4	4	2	0	1	4	0	2	3	4	4
MIC														
<=0.03			4											
0.03						2								
<=0.25							2							
<=0.5	1													
0.5							2							
<=1										4				
1	2				1									
2					2									
<=4											2			
4								2						
>4				4										
<=8		2										1		
8	1							1						
>8					1	2								
16		1												
32								1						
>32														4
64													1	
>64									4				3	
>128		1									2			
>1024												3		

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified in Meat from bovine animals - fresh (not specified)

Sampling Stage: Catering (not specified)

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON pnl2

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

Country of Origin: Romania

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
Cefotaxime synergy test	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	Positive/Present	Negative/Absent	NOT AVAILABLE		NOT AVAILABLE
Ceftazidime synergy test	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	Positive/Present	Negative/Absent	NOT AVAILABLE
ECOFF	0.06	0.5	0.125	0.125	0.25	8	0.5	0.25	0.25	0.5	0.5	32
Lowest limit	0.015	0.12	0.03	0.06	0.25	0.5	0.25	0.06	0.06	0.12	0.12	0.5
Highest limit	2	16	16	32	64	64	128	64	64	128	128	128
N of tested isolates	14	14	14	14	14	14	14	14	14	14	14	14
N of resistant isolates	0	0	0	12	14	9	12	8	8	8	8	3
<=0.015	2											
<=0.03			9									
0.03	11											
<=0.06								2				
0.06	1		5									
<=0.12		6								2		
0.12				2				2				
<=0.25							1					
0.25		7						2		4		
0.5		1		2			1					
1				3					1	1		
2				1	1		3		2		3	
4				5	2	1	3		2		1	3
8				1	2	4	3		2		2	5
16					5		2		1			2
32					2						1	1
64					1	3	1					
>64						1	6					
128												1
>128												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: Catering (not specified)

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON

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

Country of Origin: Romania

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	0.125	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	14	14	14	14	14	14	14	14	14	14	14	14	14	14
N of resistant isolates	3	8	0	14	12	9	0	1	14	0	7	11	11	10
MIC														
<=0.015						3								
<=0.03			9											
0.03						2								
0.06			5											
0.12						1								
<=0.25							8							1
<=0.5	2				2									
0.5						2	6							2
<=1										13				
1	7													1
<=2								1						
2	2			1	4	1				1				
<=4											5			
4	1			2	2			2					1	
>4				11										
<=8		5										2		
8					3	1		9					2	1
>8					3	4								
16		1						1			2			
32								1			1		1	
>32	2													9
64		3										1	1	
>64									14				9	
128		3									1			
>128		2									5			
>1024												11		

OTHER ANTIMICROBIAL RESISTANCE TABLES

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

Programme Code	Matrix Detailed	Zoonotic Agent Detailed	Sampling Strategy	Sampling Stage	Sampling Details	Sampling Context	Sampler	Sample Type	Sampling Unit Type	Sample Origin	Comment	Total Units Tested	Total Units Positive
ESBL MON	Meat from bovine animals - fresh (not specified)	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	Objective sampling	Retail	NA	Monitoring	Official sampling	food sample - meat	batch	Austria	NA	80	0
										Unknown	NA	388	0
	Meat from pig - fresh (not specified)	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	Objective sampling	Retail	NA	Monitoring	Official sampling	food sample - meat	batch	Austria	NA	114	0
										Unknown	NA	334	0
	Pigs - fattening pigs (not specified)	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	Objective sampling	Slaughterhouse	NA	Monitoring	Official sampling	animal sample - caecum	herd/flock	Austria	NA	514	0
	CARBA MON	Meat from bovine animals - fresh (not specified)	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	Objective sampling	Retail	NA	Monitoring	Official sampling	food sample - meat	batch	Austria	NA	68
Unknown											NA	384	0
Meat from pig - fresh (not specified)		Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	Objective sampling	Retail	NA	Monitoring	Official sampling	food sample - meat	batch	Austria	NA	102	0
										Unknown	NA	330	0
Pigs - fattening pigs (not specified)	Escherichia coli, non-pathogenic - E.coli, non-pathogenic, unspecified	Objective sampling	Slaughterhouse	NA	Monitoring	Official sampling	animal sample - caecum	herd/flock	Austria	NA	494	0	







