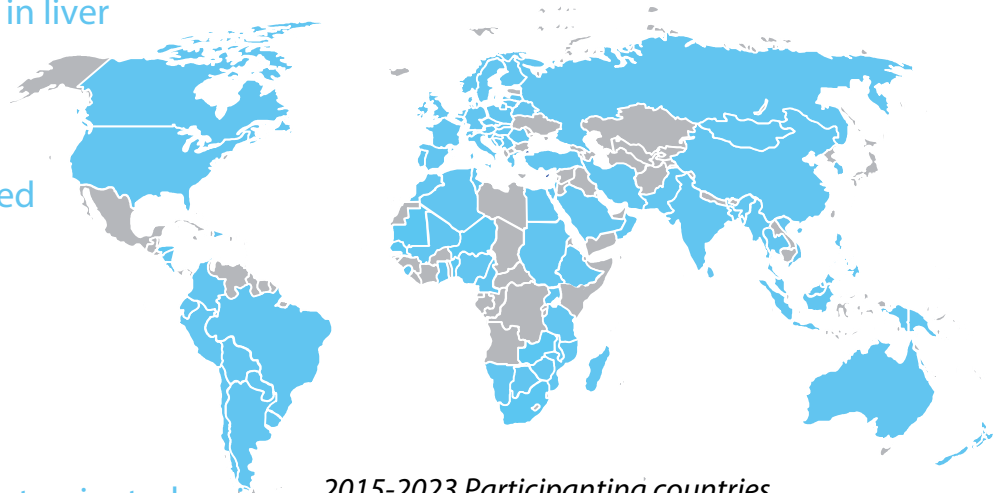


### Highlights:

- nitrofurans metabolites in gut
- stilbenes and coccidiostats in liver
- ethinylestradiol in muscle
- nitroimidazoles in serum
- corticosteroids in muscle
- erythromycin residue in feed
- trimethoprim in medicated feed
- pesticides in chicken muscle
- pesticides in animal fat
- metals in eggs and legumes
- additive acids in fish
- sudan dyes in meat
- (per)chlorate in milk
- ergot alkaloids in wheat
- multi-mycotoxins naturally contaminated maize



2015-2023 Participating countries

### *A better Proficiency Test approach*

Test Veritas S.r.l. was created to satisfy the increasing international demand for services and products for the conformity assessment in the field of agri-food analysis.

For External Quality Control, Test Veritas offers to its customers the interlaboratory proficiency testing scheme **Progetto Trieste**.

The main features of Progetto Trieste are:

- Screening results are assessed by dedicated criteria
- Z-scores are not affected by screening results
- Test materials are mainly incurred
- Two samples with different concentrations are often provided



26 years of experiences  
87 participating countries

List of *EN ISO/IEC 17043:2010*

accredited scopes  
available at  
[www.accredia.it](http://www.accredia.it)  
(Cert. PTP N. 0008 P)

Details of accredited  
schemes available at  
[www.testveritas.com](http://www.testveritas.com)

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### **Mycotoxins**

Aflatoxins B<sub>1</sub>,G<sub>1</sub>,B<sub>2</sub>,G<sub>2</sub>,M<sub>1</sub> (pages n. 22-24)  
Fumonisin  
Ochratoxin A  
Patulin  
DON  
Zearalenone

### **Veterinary drug residues**

Synthetic steroids (pages n. 3-16)  
RAL  
Stilbenes  
βagonists  
Ractopamine  
Corticosteroids  
Chloramphenicol  
Tetracyclines  
Quinolones and fluoroquinolones  
Nitrofurans metabolites  
Avermectins  
Anthelmintics  
Macrolides  
βlactams  
Sulphonamides  
Cocciostatics  
Aminoglycosides  
Nitroimidazoles  
Illegal dyes  
NSAIDs  
Thyrostats  
Natural Hormones

### **Histamine biogenic amines and TVBN**

(page n.9)

### **Pesticides & Disinfectant**

Fipronil, Fluralaner, Pyrethroids (pages n.17-19)  
and others pesticides, see the lists on pages n.18-19

### **Metals**

Lead, Cadmium, Mercury, Arsenic (page n.20)  
Tin, Iron, Chromium and others

### **Additives**

Nitrates, Nitrites, Sulphites, Acids, Dyes (page n.21)

### **Acrylamide**

(page n.23)

# Progetto Trieste - Veterinary Drug Residues 2024 Overview

|                              | Milk            | Muscle          | Eggs            | Liver      | Urine      | Serum    | Fish       | Shrimps    | Gut        | Feed      | Honey     |
|------------------------------|-----------------|-----------------|-----------------|------------|------------|----------|------------|------------|------------|-----------|-----------|
| Chloramphenicol              | March 2024-2025 | March 2024-2025 | March 2024-2025 |            |            |          |            | Sept. 2024 |            |           | Nov. 2024 |
| Sulphonamides                | May 2024        | Sept. 2024      | March 2024-2025 |            |            |          | Sept. 2024 |            |            | Nov. 2024 | Nov. 2024 |
| Nitrofurans Metabolites      |                 | March 2024-2025 | March 2025      |            |            |          |            | March 2025 | Sept. 2024 |           | Nov. 2024 |
| Macrolides                   | May 2024        | March 2024-2025 | March 2025      |            |            |          |            |            |            |           | Nov. 2024 |
| Anthelmintics                |                 | March 2025      |                 | March 2024 |            |          |            |            |            |           |           |
| Tetracyclines                | March 2024-2025 | Sept. 2024      | March 2025      |            |            |          | Sept. 2024 |            |            | Nov. 2024 | Nov. 2024 |
| Quinolones/ Fluoroquinolones | March 2024-2025 | Sept. 2024      | March 2025      |            |            |          | Sept. 2024 |            |            |           | Nov. 2024 |
| NSAIDs                       | March 2024      | March 2024-2025 |                 |            |            |          |            |            |            |           |           |
| Aminoglycosides              |                 | March 2024-2025 |                 |            |            |          |            |            |            |           |           |
| Synthetic Steroids           |                 |                 |                 |            | April 2024 |          |            |            |            |           |           |
| RAL                          |                 |                 |                 |            | April 2024 |          |            |            |            |           |           |
| Stilbenes                    |                 |                 |                 | Nov. 2024  | April 2024 |          |            |            |            |           |           |
| β-agonists                   |                 |                 |                 | Nov. 2024  | April 2024 |          |            |            |            |           |           |
| Corticosteroids              |                 | Nov. 2024       |                 | March 2025 | April 2024 |          |            |            |            |           |           |
| Cortisone & Cortisol         |                 |                 |                 |            | April 2024 |          |            |            |            |           |           |
| Avermectins                  | May 2024        |                 |                 |            |            |          | Sept. 2024 |            |            |           |           |
| β-lactams                    | May 2024        | May 2024        |                 |            |            |          |            |            |            |           |           |
| Nitroimidazoles              |                 |                 | May 2024        |            |            | May 2024 |            |            |            |           |           |
| Coccidiostatics              |                 |                 | May 2024        | Nov. 2024  |            |          |            |            |            | Nov. 2024 |           |
| Zeranol                      |                 | May 2024        |                 |            |            |          |            |            |            |           |           |
| Ethinylestradiol             |                 | May 2024        |                 |            |            |          |            |            |            |           |           |
| Natural Hormones             |                 |                 |                 |            |            | May 2024 |            |            |            |           |           |
| Trimethoprim                 |                 |                 |                 |            |            |          | Sept. 2024 |            |            | Nov. 2024 |           |
| Illegal Dyes                 |                 |                 |                 |            |            |          | Sept. 2024 |            |            |           |           |
| Amoxicillin                  |                 |                 |                 |            |            |          |            |            |            | Nov. 2024 |           |
| Erythromycin                 |                 |                 |                 |            |            |          |            |            |            | Nov. 2024 |           |
| Streptomycin                 |                 |                 |                 |            |            |          |            |            |            |           | Nov. 2024 |

Those proficiency tests could distinguish between participations with confirmatory methods (e.g. HPLC, GC) or screening methods (ELISA, RIA, biosensors, microbial inhibition assays, lateral flow, etc...).

For participating with **confirmatory methods** the code is **A** and quantification is requested. Evaluation of performance will be in z-score terms.

For participating with **screening methods** the code is **B** and quantification is optional. Qualitative results will be assessed by dedicated criteria (see *Evaluation Criteria* at [www.testveritas.com](http://www.testveritas.com)).

When the shipment includes 2 test materials, these are different so the laboratory will receive an evaluation for each test material.

## ROUND of MARCH (see next page too)

Shipping date: March 11th 2024. Result submission deadline: April 15th 2024. Final Report available in May 2024.

Order deadline: January 31<sup>st</sup> 2024

| Analytes                | Matrix                       | Status             | Code   |   | Quantity               | Euro   |
|-------------------------|------------------------------|--------------------|--------|---|------------------------|--------|
| Chloramphenicol         | bovine milk <sup>LIO</sup>   | spiked             | MI4100 | A | 20ml x 1 Test Material | 345,00 |
|                         |                              |                    |        | B | 10ml x 1 Test Material | 309,00 |
| Chloramphenicol         | rabbit muscle <sup>LIO</sup> | incurred           | M4101  | A | 20g x 1 Test Material  | 345,00 |
|                         |                              |                    |        | B | 10g x 1 Test Material  | 309,00 |
| Chloramphenicol         | eggs <sup>LIO</sup>          | spiked             | E4102  | A | 30g x 1 Test Material  | 345,00 |
|                         |                              |                    |        | B | 15g x 1 Test Material  | 309,00 |
| Sulphonamides           | eggs <sup>LIO</sup>          | spiked or incurred | E4103  | A | 30g x 1 Test Material  | 345,00 |
|                         |                              |                    |        | B | 15g x 1 Test Material  | 309,00 |
| Nitrofurans metabolites | swine muscle <sup>LIO</sup>  | spiked or incurred | M4104  | A | 20g x 2 Test Materials | 345,00 |
|                         |                              |                    |        | B | 10g x 2 Test Materials | 309,00 |
| Macrolides              | bovine muscle <sup>LIO</sup> | spiked             | M4106  | A | 25g x 2 Test Materials | 345,00 |
|                         |                              |                    |        | B | 10g x 1 Test Material  | 304,00 |
| Anthelmintics           | sheep liver <sup>LIO</sup>   | spiked             | L4107  | A | 25g x 1 Test Material  | 345,00 |
|                         |                              |                    |        | B | 10g x 1 Test Material  | 309,00 |

Analysis of sulphonamides, macrolides, anthelmintics intended to the homogeneity study have been subcontracted. Test Veritas is responsible of subcontracted activities.

<sup>LIO</sup> Lyophilized material. Quantity regards the final quantity after reconstitution. Instructions for reconstitution will be delivered with the test material.

### TECHNICAL ASPECTS

Each test material may contain one or more substances from the table below. The proposed concentrations are indicative, especially for incurred matrix (naturally contaminated) with multiple contamination. In case 2 test materials are provided, one could be blank.

Milk test materials would contain preservative solutions.

It is not requested to research all the molecules of each group.

| Category                | List of molecules   | Indicative concentrations   |
|-------------------------|---|-----------------------------|
| Chloramphenicol         | chloramphenicol   | milk, eggs, muscle: < 3 ppb |
| Nitrofurans metabolites | AOZ, AMOZ, SEM, AHD, DNSH   | muscle: < 4 ppb or blank    |
| Sulphonamides           | sulfamethazine, sulfadimethoxine, sulfamerazine, sulfamethoxy-pyridazine, sulfadiazine, sulfamonomethoxine, sulfathiazole, sulfaquinoxaline, sulfadoxine, sulfamethoxazole, sulfaguanidine, sulfamethizole  | eggs: <50 ppb               |
| Macrolides              | erythromycin, josamycin, lincomycin, oleandomycin, rifampicin, spiramycin, tilmicosin, tylosin A, tylosin B, total tylosin, virginiamycin, pirlimycin   | muscle: < 250 ppb           |
| Anthelmintics           | avermectines (ivermectin, eprinomectin, abamectin, emamectin, doramectin, moxidectin), Benzimidazoles (albendazole, flubendazole, febantel, fenbendazole, mebendazole, oxi-bendazole, thiabendazole), Salicylanilides (closantel, nitroxinil, rafoxanide), Imidazoles (levamisole). Levamisole and one avermectine will be present. | liver: < 200 ppb            |

## ROUND of MARCH (see previous page too)

Shipping date: March 11th 2024. Result submission deadline: April 15th 2024. Final Report available in May 2024.  
Order deadline: January 31<sup>st</sup> 2024

| Analytes   | Matrix                       | Status             | Code   | Quantity | Euro                    |        |
|--|------------------------------|--------------------|--------|----------|-------------------------|--------|
| Tetracyclines and Quinolones/<br>Fluoroquinolones          | bovine milk <sup>LIO</sup>   | spiked or incurred | MI4105 | A        | 20ml x 2 Test Materials | 472,00 |
|  |                              |                    |        | B        | 10ml x 2 Test Materials | 366,00 |
| <i>partial participations in MI4105</i>                    |                              |                    |        |          |                         |        |
| Only for analysis of quinolones/fluoroquinolones: MI4105/Q |                              |                    |        | A        | 20ml x 2 Test Materials | 345,00 |
|  |                              |                    |        | B        | 10ml x 2 Test Materials | 309,00 |
| Only for analysis of tetracyclines: MI4105/T               |                              |                    |        | A        | 20ml x 2 Test Materials | 345,00 |
|  |                              |                    |        | B        | 10ml x 2 Test Materials | 309,00 |
| NSAIDs   | bovine muscle <sup>LIO</sup> | spiked             | M4108  | A        | 25g x 2 Test Materials  | 345,00 |
| NSAIDs   | bovine milk <sup>LIO</sup>   | spiked             | MI4110 | A        | 20ml x 1 Test Material  | 345,00 |
| Aminoglycosides  | bovine muscle <sup>LIO</sup> | spiked             | M4109  | A        | 20g x 1 Test Material   | 345,00 |
|  |                              |                    |        | B        | 10g x 1 Test Material   | 309,00 |

Analysis of NSAIDs, aminoglycosides intended to the homogeneity study have been subcontracted. Test Veritas is responsible of subcontracted activities.

For participating with **confirmatory methods** (HPLC, GC) the code is **A**. Quantification is required.

For participating with **screening methods** (ELISA, RIA, biosensors, microbial inhibition assay, lateral flow, etc...) the code is **B**.

<sup>LIO</sup> Lyophilized material. Quantity regards the final quantity after reconstitution. Instructions for reconstitution will be delivered with the test material.

### TECHNICAL ASPECTS

Each test material may contain one or more substances from the table below. The proposed concentrations are indicative, especially for incurred matrix (naturally contaminated) with multiple contamination. In case 2 test materials are provided, one could be blank.

Milk test materials would contain preservative solutions.

It is not requested to research all the molecules of each group.

| Category                        | List of molecules   | Indicative concentrations           |
|---------------------------------|---|-------------------------------------|
| Tetracyclines                   | chlortetracycline, oxytetracycline, tetracycline, doxycycline and epimers   | milk: < 200 ppb or blank            |
| Quinolones and fluoroquinolones | ciprofloxacin, danofloxacin, enrofloxacin, flumequine, marbofloxacin, nalidixic acid, norfloxacin, oxolinic acid, sarafloxacin, difloxacin                                    | milk: < 150 ppb or blank            |
| NSAIDs                          | carprofen, diclofenac, flunixin, 5-Hydroxyflunixin, ibuprofen, ketoprofen, meloxicam, naproxen, niflumic acid, oxyphenylbutazone, phenylbutazone, tolfenamic acid, vedaprofen | muscle: < 100 ppb<br>milk: < 60 ppb |
| Aminoglycosides                 | streptomycin, dihydrostreptomycin, gentamicin, spectinomycin, neomycin, kanamycin A, apramycin, kanamycin B, aminosidin (Paromycin)   | muscle: < 800 ppb                   |

# Progetto Trieste - Veterinary Drug Residues 2024 Programme

## ROUND of APRIL

Shipping date: April 15th 2024. Result submission deadline: May 20th 2024. Final Report available in June 2024.  
Order deadline: February 19<sup>th</sup> 2024

| Analytes                                  | Matrix                               | Status             | Code    | Quantity | Euro                    |        |
|---|--------------------------------------|--------------------|---------|----------|-------------------------|--------|
| Synthetic steroids                        | bovine urine <sup>LIO</sup>          | spiked or incurred | U4200   | A        | 18ml x 2 Test Materials | 399,00 |
|   |                                      |                    |         | B        | 12ml x 2 Test Materials | 309,00 |
| RAL                                       | bovine urine <sup>LIO</sup>          | incurred           | U4201   | A        | 18ml x 2 Test Materials | 399,00 |
|   |                                      |                    |         | B        | 6ml x 2 Test Materials  | 309,00 |
| Stilbenes                                 | bovine or swine urine <sup>LIO</sup> | spiked or incurred | U4202   | A        | 18ml x 2 Test Materials | 399,00 |
|   |                                      |                    |         | B        | 6ml x 2 Test Materials  | 309,00 |
| β-agonists (ractopamine included)         | bovine or swine urine <sup>LIO</sup> | spiked or incurred | U4203   | A        | 18ml x 2 Test Materials | 399,00 |
|   |                                      |                    |         | B        | 6ml x 2 Test Materials  | 309,00 |
| <i>partial participations in U4203</i>    |                                      |                    |         |          |                         |        |
| Only for analysis of β-agonists: U4203/G  |                                      |                    |         | A        | 18ml x 2 Test Materials | 345,00 |
| Only for analysis of β-agonists: U4203/G  |                                      |                    |         | B        | 6ml x 2 Test Materials  | 285,00 |
| Only for analysis of ractopamine: U4203/R |                                      |                    |         | A        | 18ml x 2 Test Materials | 345,00 |
| Only for analysis of ractopamine: U4203/R |                                      |                    |         | B        | 6ml x 2 Test Materials  | 285,00 |
| Corticosteroids                           | bovine urine <sup>LIO</sup>          | spiked or incurred | U4204   | A        | 18ml x 2 Test Materials | 399,00 |
|   |                                      |                    |         | B        | 6ml x 2 Test Materials  | 309,00 |
| Cortisone and cortisol                    | bovine urine <sup>LIO</sup>          | incurred           | U4205   | A        | 18ml x 1 Test Material  | 399,00 |
| Thyrostats                                | bovine urine <sup>LIO</sup>          | spiked or incurred | in 2025 |          |                         |        |

Analysis of synthetic steroids, RAL, stilbenes, β-agonists (ractopamine included), corticosteroids, cortisone and cortisol intended to the homogeneity study have been subcontracted. Test Veritas is responsible of subcontracted activities.

For participating with confirmatory methods (HPLC, GC) the code is A. Quantification is required.

For participating with screening methods (ELISA, RIA, biosensors, microbial inhibition assay, lateral flow, etc...) the code is B.

<sup>LIO</sup> Lyophilized material. Quantity regards the final quantity after reconstitution. Instructions for reconstitution will be delivered with the test material.

### TECHNICAL ASPECTS

Each test material may contain one or more substances from the table below. The proposed concentrations are indicative, especially for incurred matrix (naturally contaminated) with multiple contamination. In case 2 test materials are provided, one could be blank. It is not requested to research all the molecules of each group.

| Category               | List of molecules   | Indicative concentrations |
|------------------------|---|---------------------------|
| Synthetic steroids     | 17a-19nortestosterone, 17b-19nortestosterone, 17a-boldenone, 17b-boldenone, 17a-trenbolone, 17b-trenbolone, methyltestosterone, stanozolol, androstenedione | urine: < 6 ppb or blank   |
| Stilbenes              | diethylstilbestrol (cis-DES - trans-DES) - dienestrol - hexestrol   |                           |
| β-agonists             | brombuterol, clenbuterol, cimbuterol, clenpenterol, mabuterol, salbutamol, terbutaline, zilpaterol  |                           |
| Ractopamine            | ractopamine   |                           |
| Corticosteroids        | betamethasone, dexamethasone, flumethasone, prednisolone, methylprednisolone, prednisone, beclomethasone, triamcinolone, triamcinolone acetonide            | urine: < 4 ppb or blank   |
| RAL                    | zeranol, taleranol  |                           |
| Cortisone and Cortisol | cortisone, cortisol   |                           |

## ROUND of MAY (see next page too)

Shipping date: May 13th 2024. Result submission deadline: June 17th 2024. Final Report available in July 2024.  
Order deadline: March 22nd 2024

| Analytes  | Matrix                       | Status | Code   |   | Quantity                | Euro   |
|---|------------------------------|--------|--------|---|-------------------------|--------|
| <b>Sulphonamides and Macrolides</b>               | bovine milk <sup>L10</sup>   | spiked | MI4300 | A | 20ml x 2 Test Materials | 472,00 |
|   |                              |        |        | B | 10ml x 2 Test Materials | 366,00 |
| <i>partial participations in MI4300</i>           |                              |        |        |   |                         |        |
| Only for analysis of sulphonamides: MI4300/S      |                              |        |        | A | 20ml x 2 Test Materials | 345,00 |
|   |                              |        |        | B | 10ml x 2 Test Materials | 309,00 |
| Only for analysis of macrolides: MI4300/M         |                              |        |        | A | 20ml x 2 Test Materials | 345,00 |
|   |                              |        |        | B | 10ml x 2 Test Materials | 309,00 |
| <b>Avermectins and <math>\beta</math>-lactams</b> | bovine milk <sup>L10</sup>   | spiked | MI4301 | A | 20ml x 2 Test Materials | 472,00 |
|   |                              |        |        | B | 10ml x 2 Test Materials | 366,00 |
| <i>partial participations in MI4301</i>           |                              |        |        |   |                         |        |
| Only for analysis of avermectins: MI4301/I        |                              |        |        | A | 20ml x 2 Test Materials | 345,00 |
|   |                              |        |        | B | 10ml x 2 Test Materials | 309,00 |
| Only for analysis of $\beta$ -lactams: MI4301/L   |                              |        |        | A | 20ml x 2 Test Materials | 345,00 |
|   |                              |        |        | B | 10ml x 2 Test Materials | 309,00 |
| <b><math>\beta</math>-lactams</b>                 | bovine muscle <sup>L10</sup> | spiked | M4302  | A | 20g x 1 Test Material   | 345,00 |
|   |                              |        |        | B | 10g x 1 Test Material   | 309,00 |

Analysis of sulphonamides, macrolides and  $\beta$ -lactams intended to the homogeneity study have been subcontracted. Test Veritas is responsible of subcontracted activities.

For participating with **confirmatory methods** (HPLC, GC) the code is **A**. Quantification is required.

For participating with **screening methods** (ELISA, RIA, biosensors, microbial inhibition assay, lateral flow, etc...) the code is **B**.

<sup>L10</sup> Lyophilized material. Quantity regards the final quantity after reconstitution. Instructions for reconstitution will be delivered with the test material.

### TECHNICAL ASPECTS

Each test material may contain one or more substances from the table below. The proposed concentrations are indicative, especially for incurred matrix (naturally contaminated) with multiple contamination. In case 2 test materials are provided, one could be blank.

Milk test materials would contain preservative solutions.

It is not requested to research all the molecules of each group.

| Category         | List of molecules   | Indicative concentrations                    |
|------------------|---|--|
| Sulphonamides    | sulfamethazine, sulfadimethoxine, sulfamerazine, sulfamethoxyipyridazine, sulfadiazine, sulfamonomethoxine, sulfathiazole, sulfaquinolaxine, sulfadoxine, sulfamethoxazole, sulfaguanidine, sulfamethizole. | milk: < 200 ppb or blank                     |
| Macrolides       | erythromycin, josamycin, lincomycin, oleandomycin, rifampicin, spiramycin, tilmicosin, tylosin A, tylosin B, total tylosin, virginiamycin   | milk: < 200 ppb or blank                     |
| Avermectins      | Ivermectin, eprinomectin, abamectin, emamectin, doramectin, moxidectin  | milk: < 50 ppb or blank                      |
| $\beta$ -lactams | penicillin V, penicillin G, amoxicillin, ampicillin, cloxacillin, oxacillin, cefapirin, cefalexin, cefazolin, cefaclor, cefotaxime<br>Cefaclor will be present in muscle.                                   | milk: < 50 ppb or blank<br>muscle: < 400 ppb |

## ROUND of MAY (see previous page too)

Shipping date: May 13th 2024. Result submission deadline: June 17<sup>th</sup> 2024. Final Report available in July 2024.  
Order deadline: March 22<sup>nd</sup> 2024

| Analytes                                      | Matrix                                  | Status             | Code   |   | Quantity               | Euro   |
|---|---|--------------------|--------|---|------------------------|--------|
| Nitroimidazoles and Coccidiostatics           | eggs <sup>LIO</sup>                     | spiked or incurred | E4303  | A | 30g x 1 Test Material  | 472,00 |
|   |   |                    |        | B | 15g x 1 Test Material  | 366,00 |
| <i>partial participations in E4303</i>        |   |                    |        |   |                        |        |
| Only for analysis of nitroimidazoles: E4303/N |   |                    |        | A | 30g x 1 Test Material  | 345,00 |
|   |   |                    |        | B | 15g x 1 Test Material  | 309,00 |
| Only for analysis of coccidiostatics: E4303/C |   |                    |        | A | 30g x 1 Test Material  | 345,00 |
|   |   |                    |        | B | 15g x 1 Test Material  | 309,00 |
| Nitroimidazoles                               | bovine serum <sup>LIO</sup>             | spiked             | SE4304 | A | 15ml x 1 Test Material | 345,00 |
|   |   |                    |        | B | 5ml x 1 Test Material  | 309,00 |
| Zeranol                                       | bovine or chicken muscle <sup>LIO</sup> | spiked             | M4305  | A | 20g x 1 Test Material  | 365,00 |
|   |   |                    |        | B | 10g x 1 Test Material  | 309,00 |
| Ethinylestradiol                              | bovine muscle <sup>LIO</sup>            | spiked             | M4306  | A | 20g x 1 Test Material  | 365,00 |
|   |   |                    |        | B | 10g x 1 Test Material  | 309,00 |
| Natural hormones                              | bovine serum <sup>LIO</sup>             | spiked             | SE4309 |   | 15ml x 1 Test Material | 399,00 |

Analysis of nitroimidazoles, coccidiostatics, zeranol, ethinylestradiol, natural hormones intended to the homogeneity study have been subcontracted. Test Veritas is responsible of subcontracted activities.

For participating with **confirmatory methods** (HPLC, GC) the code is **A**. Quantification is required.

For participating with **screening methods** (ELISA, RIA, biosensors, microbial inhibition assay, lateral flow, etc...) the code is **B**.

<sup>LIO</sup> Lyophilized material. Quantity regards the final quantity after reconstitution. Instructions for reconstitution will be delivered with the test material.

### TECHNICAL ASPECTS

Each test material may contain one or more substances from the table below. The proposed concentrations are indicative, especially for incurred matrix (naturally contaminated) with multiple contamination. It is not requested to research all the molecules of each group.

| Category         | List of molecules  | Indicative concentrations         |
|------------------|--|-----------------------------------|
| Nitroimidazoles  | Dimetridazole, metronidazole, ipronidazole, ronidazole, 2-hydroxydimetridazole (HMMNI), 2-hydroxymetronidazole, 2-Hydroxy Ipronidazole | eggs: < 20 ppb<br>serum: < 10 ppb |
| Coccidiostatics  | nicarbazin (as DNC fraction), robenidine, salinomycin, lasalocid, narasin, maduramycin, monensin, clopidol, diclazuril                 | eggs: < 150 ppb                   |
| Zeranol          | zeranol.   | muscle: < 4 ppb                   |
| Ethinylestradiol | ethinylestradiol   | muscle: < 5 ppb                   |
| Natural hormones | Progesterone, testosterone, 17b estradiol.<br><i>All the molecules will be present.</i>  | serum: < 6 ppb                    |



# Progetto Trieste – Histamine and Biogenic amines - 2024 programme

## ROUND of SEPTEMBER

Shipping date: September 16th 2024. Result submission deadline: October 21<sup>th</sup> 2024. Final Report available in November 2024.  
Order deadline: July 26<sup>th</sup> 2024

| Analytes                        | Matrix              | Status             | Code  | Quantity | Euro                   |        |
|---------------------------------|---------------------|--------------------|-------|----------|------------------------|--------|
| <b>Histamine<br/>(2 levels)</b> | tuna <sup>LIO</sup> | incurred           | T4400 | A        | 50g x 2 Test Materials | 295,00 |
|                                 |                     |                    |       | B        | 50g x 2 Test Materials | 235,00 |
| <b>Biogenic amines</b>          | tuna <sup>LIO</sup> | spiked or incurred | T4401 | A        | 50g x 1 Test Materials | 365,00 |
|                                 |                     |                    |       | B        | 50g x 1 Test Materials | 304,00 |

Analysis of biogenic amines intended to the homogeneity study have been subcontracted. Test Veritas is responsible of subcontracted activities.

For participating with **confirmatory methods** (HPLC, GC) the code is **A**. Quantification is required.

For participating with **screening methods** (ELISA, RIA, biosensors, microbial inhibition assay, lateral flow, etc...) the code is **B**.

<sup>LIO</sup> Lyophilized material. Quantity regards the final quantity after reconstitution. Instructions for reconstitution will be delivered with the test material.

### TECHNICAL ASPECTS

Each test material may contain one or more substances from the table below. The proposed concentrations are indicative, especially for incurred matrix (naturally contaminated) with multiple contamination. In case 2 test materials are provided, one could be blank.

It is not requested to research all the molecules of each group.

| Category        | List of molecules                                      | Indicative concentrations                                     |
|-----------------|--|---|
| Histamine       | histamine.   | tuna: 60 ppm < Level 1 < 350 ppm<br>25 ppm < Level 2 < 50 ppm |
| Biogenic amines | cadaverine, putrescine, spermidine, spermine, tyramine | tuna: < 500 ppm   |

# Progetto Trieste – Veterinary Drug Residues 2024 Programme

## ROUND of SEPTEMBER (see next page too)

Shipping date: September 16th 2024. Result submission deadline: October 21<sup>th</sup> 2024. Final Report available in November 2024.  
Order deadline: July 26<sup>th</sup> 2024

| Analytes                                     | Matrix                              | Status             | Code   |   | Quantity               | Euro   |
|--|-------------------------------------|--------------------|--------|---|------------------------|--------|
| Tetracyclines                                | fish <sup>LIO</sup>                 | spiked             | SF4410 | A | 20g x 1 Test Material  | 345,00 |
|  |                                     |                    |        | B | 10g x 1 Test Material  | 309,00 |
| Tetracyclines                                | bovine or hen muscle <sup>LIO</sup> | spiked or incurred | M4402  | A | 20g x 2 Test Materials | 345,00 |
|  |                                     |                    |        | B | 10g x 2 Test Materials | 309,00 |
| Sulphonamides                                | swine muscle <sup>LIO</sup>         | spiked or incurred | M4403  | A | 20g x 1 Test Material  | 345,00 |
|  |                                     |                    |        | B | 10g x 1 Test Material  | 309,00 |
| Sulphonamides and Trimethoprim               | fish <sup>LIO</sup> (salmon trout)  | spiked             | SF4405 | A | 20g x 1 Test Material  | 495,00 |
|  |                                     |                    |        | B | 10g x 1 Test Material  | 366,00 |
| <i>partial participations in SF4405</i>      |                                     |                    |        |   |                        |        |
| Only for analysis of sulphonamides: SF4405/S |                                     |                    |        | A | 20g x 1 Test Material  | 345,00 |
|  |                                     |                    |        | B | 10g x 1 Test Material  | 309,00 |
| Only for analysis of trimethoprim: SF4405/T  |                                     |                    |        | A | 20g x 1 Test Material  | 345,00 |
|  |                                     |                    |        | B | 10g x 1 Test Material  | 309,00 |
| Chloramphenicol                              | shrimps <sup>LIO</sup>              | spiked             | SF4404 | A | 20g x 1 Test Material  | 345,00 |
|  |                                     |                    |        | B | 10g x 1 Test Material  | 309,00 |

Analysis of sulphonamides and trimethoprim intended to the homogeneity study have been subcontracted. Test Veritas is responsible of subcontracted activities.

For participating with **confirmatory methods** (HPLC, GC) the code is **A**. Quantification is required.

For participating with **screening methods** (ELISA, RIA, biosensors, microbial inhibition assay, lateral flow, etc...) the code is **B**.

<sup>LIO</sup> Lyophilized material. Quantity regards the final quantity after reconstitution. Instructions for reconstitution will be delivered with the test material.

### TECHNICAL ASPECTS

Each test material may contain one or more substances from the table below. The proposed concentrations are indicative, especially for incurred matrix (naturally contaminated) with multiple contamination. In case 2 test materials are provided, one could be blank.

It is not requested to research all the molecules of each group.

| Category        | List of molecules   | Indicative concentrations                     |
|-----------------|---|---|
| Tetracyclines   | chlortetracycline, doxycycline, oxytetracycline, tetracycline and epimers   | fish: < 300 ppb<br>muscle: < 300 ppb or blank |
| Sulphonamides   | sulfamethazine, sulfadimethoxine, sulfamerazine, sulfamethoxypyridazine, sulfadiazine, sulfamonomethoxine, sulfathiazole, sulfaquinoxaline, sulfadoxine, sulfamethoxazole, sulfaguanidine, sulfamethizole<br><i>Sulfadiazine will be present in fish.</i> | fish: < 300 ppb<br>muscle: < 300 ppb or blank |
| Trimethoprim    | trimethoprim<br><i>The presence is guaranteed.</i>  | fish: < 300 ppb                               |
| Chloramphenicol | chloramphenicol   | shrimp: < 2 ppb                               |

## ROUND of SEPTEMBER (see previous page too)

Shipping date: September 16th 2024. Result submission deadline: October 21<sup>th</sup> 2024. Final Report available in November 2024.  
Order deadline: July 26<sup>th</sup> 2024

| Analytes                        | Matrix                             | Status             | Code   |   | Quantity   | Euro   |
|---------------------------------|------------------------------------|--------------------|--------|---|--|--------|
| Quinolones and Fluoroquinolones | turkey muscle <sup>LIO</sup>       | spiked or incurred | M4406  | A | 20g x 2 Test Materials<br>10g x 2 Test Materials | 345,00 |
|                                 |                                    |                    |        | B |  | 309,00 |
| Quinolones and Fluoroquinolones | fish <sup>LIO</sup>                | spiked             | SF4407 | A | 20g x 1 Test Material<br>10g x 1 Test Material   | 345,00 |
|                                 |                                    |                    |        | B |  | 309,00 |
| Illegal dyes                    | fish <sup>LIO</sup>                | spiked             | SF4408 | A | 20g x 1 Test Material<br>10g x 1 Test Material   | 345,00 |
|                                 |                                    |                    |        | B |  | 309,00 |
| Avermectins                     | fish <sup>LIO</sup>                | spiked             | SF4409 | A | 20g x 1 Test Material<br>10g x 1 Test Material   | 345,00 |
|                                 |                                    |                    |        | B |  | 309,00 |
| Nitrofurans metabolites         | bovine or swine gut <sup>LIO</sup> | spiked             | M4411  | A | 20g x 1 Test Material<br>10g x 1 Test Material   | 345,00 |
|                                 |                                    |                    |        | B |  | 309,00 |

Analysis of illegal dyes and nitrofurans metabolites intended to the homogeneity study have been subcontracted. Test Veritas is responsible of subcontracted activities.

For participating with **confirmatory methods** (HPLC, GC) the code is **A**. Quantification is required.

For participating with **screening methods** (ELISA, RIA, biosensors, microbial inhibition assay, lateral flow, etc...) the code is **B**.

<sup>LIO</sup> Lyophilized material. Quantity regards the final quantity after reconstitution. Instructions for reconstitution will be delivered with the test material.

### TECHNICAL ASPECTS

Each test material may contain one or more substances from the table below. The proposed concentrations are indicative, especially for incurred matrix (naturally contaminated) with multiple contamination. In case 2 test materials are provided, one could be blank. It is not requested to research all the molecules of each group.

| Category                        | List of molecules  | Indicative concentrations                     |
|---------------------------------|--|---|
| Quinolones and Fluoroquinolones | ciprofloxacin, danofloxacin, enrofloxacin, flumequine, marbofloxacin, nalidixic acid, norfloxacin, oxolinic acid, sarafloxacin, difloxacin | fish: < 800 ppb<br>muscle: < 400 ppb or blank |
| Illegal dyes                    | malachite green, leucomalachite green, crystal violet, leucocrystal violet, brilliant green, total illegal dyes                            | fish: < 8ppb                                  |
| Avermectins                     | eprinomectina, abamectina, ivermectina, emamectina, doramectina, moxidectina   | fish: < 300 ppb                               |
| Nitrofurans metabolites         | AOZ, AMOZ, SEM, AHD, DNSH. <i>All the molecules will be present.</i>   | gut: < 2 ppb                                  |

## ROUND of NOVEMBER (see next page too)

Shipping date: November 18th 2024. Result submission deadline: December 27<sup>th</sup> 2024. Final Report available in January 2025.  
Order deadline: September 30<sup>th</sup> 2024

| Analytes   | Matrix                                  | Status                | Code  |   | Quantity               | Euro   |
|--|---|-----------------------|-------|---|------------------------|--------|
| <b>β-agonists<br/>(ractopamine<br/>included)</b> | bovine liver <sup>LIO</sup>             | spiked or<br>incurred | L4500 | A | 20g x 2 Test Materials | 375,00 |
|  |   |                       |       | B | 10g x 2 Test Materials | 309,00 |
| <i>partial participations in L4500</i>           |   |                       |       |   |                        |        |
|  |   |                       |       | A | 20g x 2 Test Materials | 345,00 |
| Only for analysis of β-agonists: L4500/G         |   |                       |       | B | 10g x 2 Test Materials | 289,00 |
|  |   |                       |       | A | 20g x 2 Test Materials | 345,00 |
| Only for analysis of ractopamine: L4500/R        |   |                       |       | B | 10g x 2 Test Materials | 289,00 |
| <b>Corticosteroids</b>                           | bovine muscle <sup>LIO</sup>            | spiked                | M4502 | A | 20g x 1 Test Material  | 345,00 |
|  |   |                       |       | B | 10g x 1 Test Material  | 309,00 |
| <b>Stilbenes</b>                                 | bovine or swine<br>liver <sup>LIO</sup> | spiked                | L4509 | A | 20g x 1 Test Material  | 345,00 |
|  |   |                       |       | B | 10g x 1 Test Material  | 309,00 |
| <b>Coccidiostatics</b>                           | bovine liver <sup>LIO</sup>             | spiked or<br>incurred | L4511 | A | 20g x 1 Test Material  | 345,00 |
|  |   |                       |       | B | 10g x 1 Test Material  | 309,00 |

Analysis of corticosteroids, stilbenes and coccidiostatics intended to the homogeneity study have been subcontracted. Test Veritas is responsible of subcontracted activities.

For participating with **confirmatory methods** (HPLC, GC) the code is **A**. Quantification is required.

For participating with **screening methods** (ELISA, RIA, biosensors, microbial inhibition assay, lateral flow, etc...) the code is **B**.

<sup>LIO</sup> Lyophilized material. Quantity regards the final quantity after reconstitution. Instructions for reconstitution will be delivered with the test material.

### TECHNICAL ASPECTS

Each test material may contain one or more substances from the table below. The proposed concentrations are indicative, especially for incurred matrix (naturally contaminated) with multiple contamination. In case 2 test materials are provided, one could be blank.

It is not requested to research all the molecules of each group.

| Category        | List of molecules   | Indicative concentrations |
|-----------------|---|---------------------------|
| β-agonists      | brombuterol, clenbuterol, cimbuterol, clenpenterol, mabuterol, salbutamol, terbutaline, zilpaterol  | liver: < 7 ppb or blank   |
| Ractopamine     | ractopamine   |                           |
| Corticosteroids | betamethasone, dexamethasone, flumethasone, prednisolone, methylprednisolone, prednisone, beclomethasone, triamcinolone, triamcinolone acetoneide | muscle: < 5 ppb           |
| Stilbenes       | diethylstilbestrol (cis-DES - trans-DES), dienestrol, hexestrol   | liver: < 6 ppb            |
| Coccidiostatics | nicarbazin (expressed as DNC), robenidine, salinomycin, lasalocid, narasin, maduramycin, monensin, clopidol, diclazuril                           | liver: < 80 ppb           |

## ROUND of NOVEMBER (see next and previous page too)

Shipping date: November 18th 2024. Result submission deadline: December 27<sup>th</sup> 2024. Final Report available in January 2025.  
Order deadline: September 30<sup>th</sup> 2024

| Analytes  | Matrix         | Status | Code  |   | Quantity               | Euro   |
|---|----------------|--------|-------|---|------------------------|--------|
| Amoxicillin   | medicated feed | /      | F4512 | A | 120g x 1 Test Material | 345,00 |
|   |                |        |       | B | 120g x 1 Test Material | 309,00 |
| Tetracyclines,<br>Sulphonamides and<br>Trimethoprim | medicated feed | /      | F4513 | A | 120g x 1 Test Material | 550,00 |
|   |                |        |       | B | 120g x 1 Test Material | 450,00 |
| <i>partial participations in F4513</i>              |                |        |       |   |                        |        |
|   |                |        |       | A | 120g x 1 Test Material | 345,00 |
| Only for analysis of sulphonamides: F4513/S         |                |        |       | B | 120g x 1 Test Material | 309,00 |
|   |                |        |       | A | 120g x 1 Test Material | 345,00 |
| Only for analysis of trimethoprim: F4513/T          |                |        |       | B | 120g x 1 Test Material | 309,00 |
|   |                |        |       | A | 120g x 1 Test Material | 345,00 |
| Only for analysis of tetracyclines: F4513/O         |                |        |       | B | 120g x 1 Test Material | 309,00 |
| Coccidiostatics and<br>Erythromycin<br>(carry-over) | feed           | /      | F4514 | A | 120g x 1 Test Material | 472,00 |
|   |                |        |       | B | 120g x 1 Test Material | 366,00 |
| <i>partial participations in F4514</i>              |                |        |       |   |                        |        |
|   |                |        |       | A | 120g x 1 Test Material | 345,00 |
| Only for analysis of coccidiostatics: F4514/C       |                |        |       | B | 120g x 1 Test Material | 309,00 |
|   |                |        |       | A | 120g x 1 Test Material | 345,00 |
| Only for analysis of erythromycin: F4514/E          |                |        |       | B | 120g x 1 Test Material | 309,00 |

Analysis of amoxicillin, tetracyclines, sulphonamides, trimethoprim, coccidiostatics and macrolides intended to the homogeneity study have been subcontracted. Test Veritas is responsible of subcontracted activities.

For participating with **confirmatory methods** (HPLC, GC) the code is **A**. Quantification is required.

For participating with **screening methods** (ELISA, RIA, biosensors, microbial inhibition assay, lateral flow, etc...) the code is **B**.

### TECHNICAL ASPECTS

Each test material may contain one or more substances from the table below. The proposed concentrations are indicative, especially for incurred matrix (naturally contaminated) with multiple contamination.  
It is not requested to research all the molecules of each group.

| Category        | List of molecules                  | Indicative concentrations                                      |
|-----------------|------------------------------------|--|
| Amoxicillin     | amoxicillin                        | feed: 700 – 1500 ppm   |
| Tetracyclines   | oxytetracycline, chlortetracycline | feed: 550 – 1550 ppm (oxytetra)<br>240 – 1200 ppm (chlortetra) |
| Sulphonamides   | sulfadimethoxine, sulfadiazine     | feed: 240 – 1200 ppm   |
| Trimethoprim    | trimethoprim                       | feed: 130 - 500 ppm  |
| Macrolides      | erythromycin                       | feed: 0,1 – 5 ppm  |
| Coccidiostatics | nicarbazin, monensin,              | feed: 0,1 – 5 ppm  |

## ROUND of NOVEMBER (see previous page too)

Shipping date: November 18th 2024. Result submission deadline: December 16<sup>th</sup> 2024. Final Report available in January 2025.  
Order deadline: September 30<sup>th</sup> 2024

| Analytes                                    | Matrix      | Status | Code  |   | Quantity              | Euro   |
|---|-------------|--------|-------|---|-----------------------|--------|
| Sulphonamides                               | light honey | spiked | H4503 | A | 30g x 1 Test Material | 345,00 |
|   |             |        |       | B | 10g x 1 Test Material | 309,00 |
| Chloramphenicol                             | light honey | spiked | H4504 | A | 30g x 1 Test Material | 345,00 |
|   |             |        |       | B | 10g x 1 Test Material | 309,00 |
| Nitrofurans metabolites                     | light honey | spiked | H4505 | A | 30g x 1 Test Material | 345,00 |
|   |             |        |       | B | 10g x 1 Test Material | 309,00 |
| Tetracyclines and Streptomycin              | light honey | spiked | H4506 | A | 30g x 1 Test Material | 472,00 |
|   |             |        |       | B | 10g x 1 Test Material | 345,00 |
| <i>partial participations in H4506</i>      |             |        |       |   |                       |        |
| Only for analysis of tetracyclines: H4506/T |             |        |       | A | 30g x 1 Test Material | 345,00 |
|   |             |        |       | B | 10g x 1 Test Material | 275,00 |
| Only for analysis of streptomycin: H4506/M  |             |        |       | A | 30g x 1 Test Material | 345,00 |
|   |             |        |       | B | 10g x 1 Test Material | 275,00 |
| Macrolides                                  | light honey | spiked | H4507 | A | 30g x 1 Test Material | 345,00 |
|   |             |        |       | B | 15g x 1 Test Material | 309,00 |
| Quinolones and Fluoroquinolones             | light honey | spiked | H4508 | A | 30g x 1 Test Material | 345,00 |
|   |             |        |       | B | 15g x 1 Test Material | 309,00 |

Analysis of sulphonamides, nitrofurans metabolites and macrolides intended to the homogeneity study have been subcontracted. Test Veritas is responsible of subcontracted activities.

For participating with **confirmatory methods** (HPLC, GC) the code is **A**. Quantification is required.

For participating with **screening methods** (ELISA, RIA, biosensors, microbial inhibition assay, lateral flow, etc...) the code is **B**.

### TECHNICAL ASPECTS

Each test material may contain one or more substances from the table below. The proposed concentrations are indicative, especially for incurred matrix (naturally contaminated) with multiple contamination.

It is not requested to research all the molecules of each group.

| Category                        | List of molecules   | Indicative concentrations |
|---------------------------------|---|---------------------------|
| Chloramphenicol                 | chloramphenicol   | honey: < 3 ppb            |
| Nitrofurans metabolites         | AOZ, AMOZ, SEM, AHD, DNSH<br><i>All the molecules will be present.</i>  | honey: < 2 ppb            |
| Sulphonamides                   | sulfamethazine, sulfadimethoxine, sulfamerazine, sulfamethoxypyridazine, sulfadiazine, sulfamonomethoxine, sulfathiazole, sulfaquinoxaline, sulfadoxine, sulfamethoxazole                   | honey: < 80 ppb           |
| Tetracyclines                   | chlortetracycline, doxycycline, oxytetracycline, tetracycline and epimers   |                           |
| Streptomycin                    | streptomycin, dihydrostreptomycin   |                           |
| Macrolides                      | erythromycin, josamycin, lincomycin, oleandomycin, rifampicin, spiramycin, tilmicosin, tylosin A, tylosin B, total tylosin, virginiamycin,<br><i>The presence of Tylosin is guaranteed.</i> |                           |
| Quinolones and Fluoroquinolones | enrofloxacin, cyprofloxacin, flumequine, danofloxacin, oxolinic acid, norfloxacin, marbofloxacin, sarafloxacin, nalidixic acid, difloxacin  |                           |

## Further Proficiency Testing... in 2025 ROUND of MARCH 2025 (see next page too)

Shipping date: March 10th 2025. Result submission deadline: April 17<sup>th</sup> 2025. Final Report available in May 2025.

| Analytes                | Matrix                        | Status             | Code   | Quantity | Euro                   |        |
|-------------------------|-------------------------------|--------------------|--------|----------|------------------------|--------|
| Chloramphenicol         | bovine milk <sup>LIO</sup>    | spiked             | MI5100 | A        | 20ml x 1 Test Material | 345,00 |
|                         |                               |                    |        | B        | 10ml x 1 Test Material | 309,00 |
| Chloramphenicol         | chicken muscle <sup>LIO</sup> | spiked             | M5101  | A        | 20g x 1 Test Material  | 345,00 |
|                         |                               |                    |        | B        | 10g x 1 Test Material  | 309,00 |
| Chloramphenicol         | eggs <sup>LIO</sup>           | spiked             | E5102  | A        | 30g x 1 Test Material  | 345,00 |
|                         |                               |                    |        | B        | 15g x 1 Test Material  | 309,00 |
| Sulphonamides           | eggs <sup>LIO</sup>           | spiked or incurred | E5103  | A        | 30g x 1 Test Material  | 345,00 |
|                         |                               |                    |        | B        | 15g x 1 Test Material  | 309,00 |
| Nitrofurans metabolites | swine muscle <sup>LIO</sup>   | spiked or incurred | M5104  | A        | 20g x 1 Test Material  | 345,00 |
|                         |                               |                    |        | B        | 10g x 1 Test Material  | 309,00 |
| Nitrofurans metabolites | shrimps <sup>LIO</sup>        | spiked             | SF5105 | A        | 20g x 1 Test Material  | 345,00 |
|                         |                               |                    |        | B        | 10g x 1 Test Material  | 309,00 |
| Nitrofurans metabolites | eggs <sup>LIO</sup>           | spiked             | E5106  | A        | 30g x 1 Test Material  | 345,00 |
|                         |                               |                    |        | B        | 15g x 1 Test Material  | 309,00 |
| Macrolides              | bovine muscle <sup>LIO</sup>  | spiked             | M5109  | A        | 25g x 1 Test Material  | 345,00 |
|                         |                               |                    |        | B        | 10g x 1 Test Material  | 309,00 |
| Macrolides              | eggs <sup>LIO</sup>           | spiked             | E5110  | A        | 30g x 1 Test Material  | 345,00 |
|                         |                               |                    |        | B        | 15g x 1 Test Material  | 309,00 |
| Corticosteroids         | bovine liver <sup>LIO</sup>   | spiked or incurred | L5205  | A        | 20g x 1 Test Material  | 345,00 |
|                         |                               |                    |        | B        | 10g x 1 Test Material  | 309,00 |

Analysis of sulphonamides, macrolides, nitrofurans metabolites and corticosteroids intended to the homogeneity study have been subcontracted. Test Veritas is responsible of subcontracted activities.

<sup>LIO</sup> Lyophilized material. Quantity regards the final quantity after reconstitution. Instructions for reconstitution will be delivered with the test material.

For participating with confirmatory methods (HPLC, GC) the code is A. Quantification is required.

For participating with screening methods (ELISA, RIA, biosensors, microbial inhibition assay, lateral flow, etc...) the code is B.

### TECHNICAL ASPECTS

Each test material may contain one or more substances from the table below. The proposed concentrations are indicative, especially for incurred matrix (naturally contaminated) with multiple contamination. In case 2 test materials are provided, one could be blank.

It is not requested to research all the molecules of each group.

| Category                | List of molecules   | Indicative concentrations      |
|-------------------------|---|--------------------------------|
| Chloramphenicol         | chloramphenicol   | milk, eggs, muscle: < 2 ppb    |
| Nitrofurans metabolites | AOZ, AMOZ, SEM, AHD, DNSH<br><i>In muscle and shrimps the presence of DNSH will be guaranteed.</i>  | muscle, shrimps, eggs: < 3 ppb |
| Sulphonamides           | sulfamethazine, sulfadimethoxine, sulfamerazine, sulfamethoxy-pyridazine, sulfadiazine, sulfamonomethoxine, sulfathiazole, sulfaquinolaxine, sulfadoxine, sulfamethoxazole, sulfaguandine, sulfamethizole | eggs: < 50 ppb                 |
| Macrolides              | erythromycin, josamycin, lincomycin, oleandamycin, rifampicin, spiramycin, tilmicosin, tylosin A, tylosin B, total tylosin, virginiamycin   | muscle, eggs: < 250 ppb        |
| Corticosteroids         | Betamethasone, dexamethasone, flumethasone, prednisolone, methylprednisolone, prednisone, beclomethasone, triamcinolone, triamcinolone acetonide.   | liver: < 6 ppb                 |

## ROUND of MARCH 2025 (see previous page too)

Shipping date: March 10th 2025. Result submission deadline: April 17th 2025. Final Report available in May 2025.

| Analytes   | Matrix                       | Status             | Code   |   | Quantity                | Euro   |
|--|------------------------------|--------------------|--------|---|-------------------------|--------|
| Tetracyclines and Quinolones/ Fluoroquinolones             | bovine milk <sup>LIO</sup>   | spiked or incurred | MI5107 | A | 20ml x 2 Test Materials | 472,00 |
|  |                              |                    |        | B | 10ml x 2 Test Materials | 366,00 |
| <i>partial participations in MI5107</i>                    |                              |                    |        |   |                         |        |
| Only for analysis of quinolones/fluoroquinolones: MI5107/Q |                              |                    |        | A | 20ml x 2 Test Materials | 345,00 |
|  |                              |                    |        | B | 10ml x 2 Test Materials | 309,00 |
| Only for analysis of tetracyclines: MI5107/T               |                              |                    |        | A | 20ml x 2 Test Materials | 345,00 |
|  |                              |                    |        | B | 10ml x 2 Test Materials | 309,00 |
| Tetracyclines and Quinolones/ Fluoroquinolones             | eggs <sup>LIO</sup>          | spiked             | E5108  | A | 30g x 1 Test Material   | 472,00 |
|  |                              |                    |        | B | 15g x 1 Test Material   | 366,00 |
| <i>partial participations in E5108</i>                     |                              |                    |        |   |                         |        |
| Only for analysis of quinolones/fluoroquinolones: E5108/Q  |                              |                    |        | A | 30g x 1 Test Material   | 345,00 |
|  |                              |                    |        | B | 15g x 1 Test Material   | 309,00 |
| Only for analysis of tetracyclines: E5108/T                |                              |                    |        | A | 30g x 1 Test Material   | 345,00 |
|  |                              |                    |        | B | 15g x 1 Test Material   | 309,00 |
| Anthelmintics  | bovine muscle <sup>LIO</sup> | spiked             | M5111  | A | 25g x 1 Test Material   | 345,00 |
|  |                              |                    |        | B | 10g x 1 Test Material   | 309,00 |
| Chloramphenicol and $\beta$ -agonists                      | animal watering water        | spiked             | WA5206 | A | 25ml x 2 Test Material  | 472,00 |
|  |                              |                    |        | B | 10ml x 2 Test Material  | 366,00 |
| <i>partial participations in WA5206</i>                    |                              |                    |        |   |                         |        |
| Only for analysis of chloramphenicol: WA5206/C             |                              |                    |        | A | 25ml x 2 Test Material  | 345,00 |
|  |                              |                    |        | B | 10ml x 2 Test Material  | 309,00 |
| Only for analysis of $\beta$ -agonists: WA5206/G           |                              |                    |        | A | 25ml x 2 Test Material  | 345,00 |
|  |                              |                    |        | B | 10ml x 2 Test Material  | 309,00 |

Analysis of NSAIDs and aminoglycosides intended to the homogeneity study have been subcontracted. Test Veritas is responsible of subcontracted activities.

<sup>LIO</sup> Lyophilized material. Quantity regards the final quantity after reconstitution. Instructions for reconstitution will be delivered with the test material. For participating with **confirmatory methods** (HPLC, GC) the code is **A**. Quantification is required.

For participating with **screening methods** (ELISA, RIA, biosensors, microbial inhibition assay, lateral flow, etc...) the code is **B**.

### TECHNICAL ASPECTS

Each test material may contain one or more substances from the table below. The proposed concentrations are indicative, especially for incurred matrix (naturally contaminated) with multiple contamination. In case 2 test materials are provided, one could be blank.

It is not requested to research all the molecules of each group.

| Category                        | List of molecules   | Indicative concentrations                   |
|---------------------------------|---|---|
| Tetracyclines                   | chlortetracycline, oxytetracycline, tetracycline, doxycycline and epimers   | milk: < 200 ppb or blank<br>eggs: < 300 ppb |
| Quinolones and fluoroquinolones | ciprofloxacin, danofloxacin, enrofloxacin, flumequine, marbofloxacin, nalidixic acid, norfloxacin, oxolinic acid, sarafloxacin, difloxacin  | milk: < 150 ppb or blank<br>eggs: < 200 ppb |
| Anthelmintics                   | Avermectines (ivermectin, eprinomectin, abamectin, emamectin, doramectin, moxidectin), Benzimidazoles (albendazole, flubendazole, febantel, fenbendazole, mebendazole, oxibendazole, thiabendazole), Salicylanilides (closantel, nitroxinil, rafoxanide), Imidazoles (levamisole). <b>Levamisole and one avermectine will be present.</b> | muscle: < 200 ppb                           |
| Chloramfenicol                  | chloramphenicol   | water: < 3 ppb or blank                     |
| $\beta$ -agonists               | clenbuterol, salbutamol, terbutaline, cybuterol, mabuterol, brombuterol, clenpenterol, ractopamine  | water: < 3 ppb or blank                     |



The quantification is requested. Evaluation will be in z-score terms.

In each participation there are included the evaluations of 2 technicians.

## ROUND of OCTOBER (see next page too)

Shipping date: October 21<sup>st</sup> 2024. Result submission deadline: November 25<sup>th</sup> 2024. Final Report available in January 2025.  
Order deadline: August 31<sup>st</sup> 2024

| Analytes  | Matrix                        | Status | Code        | Quantity              | Euro   |
|---|-------------------------------|--------|-------------|-----------------------|--------|
| <b>Pesticides (fosetyl and others)</b>                      | spinach <sup>LIO</sup>        | spiked | VF4800      | 60g x 1 Test Material | 420,00 |
| <i>partial participations in VF4800</i>                     |                               |        |             |                       |        |
| Only for analysis of fosetyl: VF4800/F                      |                               |        |             | 60g x 1 Test Material | 242,00 |
| Only for analysis of pesticides excluding fosetyl: VF4800/P |                               |        |             | 60g x 1 Test Material | 242,00 |
| Pesticides (blank sample)                                   | spinach <sup>LIO</sup>        | blank  | VF4800blank | 60g x 1 Test Material | 61,00  |
| <b>Pesticides</b>   | salmon <sup>LIO</sup>         | spiked | SF4801      | 50g x 1 Test Material | 304,00 |
| Pesticides (blank sample)                                   | salmon <sup>LIO</sup>         | blank  | SF4801blank | 50g x 1 Test Material | 61,00  |
| <b>Pesticides</b>   | eggs <sup>LIO</sup>           | spiked | E4802       | 40g x 1 Test Material | 304,00 |
| Pesticides (blank sample)                                   | eggs <sup>LIO</sup>           | blank  | E4802blank  | 40g x 1 Test Material | 61,00  |
| <b>Pesticides (glyphosate and others)</b>                   | honey <sup>LIO</sup>          | spiked | H4803       | 70g x 1 Test Material | 304,00 |
| Pesticides (blank sample)                                   | honey <sup>LIO</sup>          | blank  | H4803blank  | 70g x 1 Test Material | 61,00  |
| <b>Pesticides</b>   | chicken muscle <sup>LIO</sup> | spiked | M4804       | 40g x 1 Test Material | 304,00 |
| Pesticides (blank sample)                                   | chicken muscle <sup>LIO</sup> | blank  | M4804blank  | 40g x 1 Test Material | 61,00  |
| <b>Pesticides</b>   | swine fat                     | spiked | M4805       | 50g x 1 Test Material | 304,00 |
| Pesticides (blank sample)                                   | swine fat                     | blank  | M4805blank  | 50g x 1 Test Material | 61,00  |
| <b>Chlorates and Perchlorates</b>                           | baby powdered milk            | spiked | MI4806      | 60g x 1 Test Material | 304,00 |

Analysis of pesticides intended to the homogeneity study have been subcontracted. Test Veritas is responsible of subcontracted activities. <sup>LIO</sup>Lyophilized material. Quantity regards the final quantity after reconstitution. Instructions for reconstitution will be delivered with the test material.

## TECHNICAL ASPECTS (see next page too)

Each test material may contain one or more substances from the table below.  
It is not requested to research all the molecules of each group.

| Category              | List of molecules   | Indicative concentrations |
|-----------------------|---|---------------------------|
| Pesticides in spinach | <p>2-Phenylphenol (ortho-phenylphenol), Acephate, Acetamiprid, Acetochlor, Acrinathrin, Aldicarb, Aldicarb-sulfone (aldoxycarb), Aldicarb-sulfoxide, Allethrin, Ametoctradin, Atrazine, Azinphos-ethyl, Azinphos-methyl, Azoxystrobin, Benalaxyl, Bendiocarb, Bifenthrin, Biphenyl, Bitertanol, Boscalid, Brophos-ethyl, Bromopropylate, Bromuconazole, Bupirimate, Buprofezin, Cadusafos, Captan, Carbaryl, Carbendazim, Zarbofuran (sum), Carboxin, Chlorantraniliprole (rynaxypyr), Chlordane (cis e trans) Chlordane (sum of cis- and trans-chlordane), Chlorfenapyr, Chlorfenvinphos, Chloridazon, Chlorobenzilate, Chlorothalonil, Chlorpropham, Chlorpyrifos (ethyl), Chlorpyrifos-methyl, Chlorthal-dimethyl, Clofentezine, Clomazone, Clothianidin, Cyazofamid, Cyflufenamid, Cyfluthrin (sum of constituent isomers), Cyhalothrin-lambda, Cymoxanil, Cypermethrin (sum of constituent isomers), Cyproconazole, Cyprodinil, Cyromazine, Cumaphos, Demeton-s-methyl, Demeton-S-methyl-sulfon, Desmethyl-pirimicarb, Diafenthiuron, Diazinon, Dichlorvos, Dicloran, Dicofol, Diclobutrazol, Dicrotophos, Dieldrin, Diethofencarb, Difenconazole, Diflubenzuron, Dimethenamid, Dimethoate, Dimehtomorph, Diniconazole, Diphenylamine, Disulfoton (sum of disulfoton, disulfoton-sulfoxide disulfoton-sulfone), Diuron, Dodine, Endosulfan (alpha and beta), Endosulfan (sum of alpha- and beta-isomers and endosulfan-sulphate expresses as endosulfan), Endosulfan-sulfate, Endrin, Epoxiconazole, Ethiofencarb, Etofenprox, Ethion, Ethirimol, Ethoprophos, Etoxazole, Etrimfos, Famoxadone, Fenamidone, Fenamiphos, Fenamiphos-sulfoxide, Fenamiphos-sulfone, Fenarimol, Fenitrothion, Fenazaquin, Fenbuconazole, Fenhexamid Fenoxaprop-p-ethyle, Fenoxycarb, Fenpropathrin, Fenpropidin, Fenpropimorph, Fenpyroximate, Fensulfothion, Fention, Fenvalerate, Fipronil-sulfone, Flonicamid, Flucythrinate, Fluazifop-p-butyl, Fluazinam, Fludioxonil, Flufenoxuron, Fluopicolide, Fluopyram, Fluquinconazol, Flusilazole, Flutriafol, Fluvalinate (tau), Fosetyl-Al (sum of fosetyl, phosphonic acid and their salts, expressed as fosetyl), Fosetyl (ethyl hydrogen phosphonate), Phosphorous acid and its salts expressed as phosphorous acid, Formothion, Fosthiazate, Fuberidazole, Flufenacet, Furathiocarb, HCB (hexachlorobenzene), HCH-A (alpha hexachlorocyclohexane), Heptachlor, Heptachlor-epoxide (cis e trans), Heptachlor (sum of heptachlor and heptachlorepoide expressed as heptachlor), Heptenophos, Hexaconazole, Haloxyfop-2 ethoxyethyl, Haloxyfop-p-methyl, Hexythiazox, Imazalil, Imidacloprid, Indoxacarb, Iprodion, Iprovalicarb, Isofenphos-ethyl, Isofenphos-methyl, Isoproturon, Isoxaben, Kresoxim-methyl, Lenacil, Linuron, Lufenuron, Malaixon, Malathion, Mandipropamid, Mecarbam, Mepanipyrim, Metalaxyl, Methamidophos, Metamitron, Metconazole, Metazachlor, Methiocarb, Methiocarb sulfoxide, Methomyl, Methoxychlor, Methoxyfenozide, Metolachlor (sum isomers), Metrafenone, Metribuzin, Mevinphos, Monocrotophos, Monolinuron, Myclobutanil, Nuarimol, Omethoate, Oxadiazon, Oxadixyl, Oxamyl, Oxyfluorfen, Oxycarboxin, Oxydemeton-methyl, Paclbutrazol, Pencycuron, Penconazole, Pendimethalin, Permethrin, Phenthoate, Phorate, Phosalone, Phosmet, Phosphamidon, Piperonyl-butoxide, Pyraclostrobin, Pyridaben, Pyrifenox, Pyrimethanil, Pirimicarb, Pirimiphos-ethyl, Pirimiphos-methyl, Pyriproxyfen, Prochloraz, Procymidone, Profenofos, Promecarb, Prometon, Prometryn, Propamocarb, Propargite, Propaquizafop, Propazine, Propiconazole, Propyzamide, Propoxur, Prosulfocarb, Prothiofos, Pymetrozine, Quinalphos, Quinoxifen, Quintozene, Quizalofop-ethyl, Spinosad (A and D), Spirodiclofen, Spiromesifen, Spirotetramat, Spiroxamine, Sulfotep, Tebuconazole, Tebufenozide, Tebufenpyrad, Tecnazene, Teflubenzuron, Tefluthrin, Terbufos, Terbumeton, Terbutylazine, Terbutryn, Tetraconazole, Tetrachlorvinphos, Tetradifon, Tetramethrin, Thiabendazole, Thiacloprid, Thiamethoxam, Thiodicarb, Tolclofos-methyl, Tolyfluanid, Thiophanate methyl, Triadimenol, Triazophos, Tricyclazole, Trichlorphon, Triadimefon, Trifloxystrobin, Trifluramin, Trifluralin, Triticonazole, Vamidotion, Vinclozolin, Zoxamide.</p> <p><u>At least 9 molecules will be present.</u></p> | < 300 ppb                 |
| Pesticides in salmon  | <p>Abamectin (sum of avermectin B1a and B1b only), Aldrin, Amitraz (sum of amitraz and all metabolites containing the 2,4-DMA moiety), Azinphos-ethyl, Bifenthrin, Chlordane (cis), Chlordane (trans), Chlorfenvinphos (sum of E and Z isomers), Chlorpyrifos (ethyl), Chlorpyrifos-methyl, Cyfluthrin (sum of constituent isomers), Cyhalothrin-lambda, Cypermethrin (sum of constituent isomers), DDD-pp (TDE o 4,4'-DDD), DDE-pp (2,4'-DDE), DDT-op (2,4DDT) , DDT-pp (4,4DDT), Deltamethrin, Diazinon, Dichlorvos, Dieldrin, Endosulfan I (alpha), Endosulfan II (beta), Endosulfansulfate, Endrin, Etoxazole, Famoxadone, Fenthion (parent), Fenvalerate (sum of constituent isomers in any ratio including esfenvalerate), Fipronil (parent), Fipronil-sulfone, Flufenoxuron, HCB (hexachlorobenzene), HCH-A (alpha hexachlorocyclohexane), HCH-B (beta hexachlorocyclohexane), HCH-G (gamma hexachlorocyclohexane / lindane), Heptachlor, Heptachlor-epoxide (cis), Heptachlor-epoxide (trans), Hexaflumuron, Indoxacarb (sum of indoxacarb and its R enantiomers), Methidathion, Methoxychlor, Parathion (ethyl), Parathion-methyl, Pendimethalin, Permethrin (sum of isomers), Pirimiphos-methyl, Profenofos, Pyrazophos, Pyridaben, Pyriproxyfen, Quintozene, Spinosad (sum of Spinosyn A and D), Tecnazene, Thiamethoxam, Triazophos, Vinclozolin.</p> <p><u>At least 5 molecules will be present.</u></p>   | < 300 ppb                 |

## TECHNICAL ASPECTS (see previous page too)

Each test material may contain one or more substances from the table below.

It is not requested to research all the molecules of each group.

| Category                     | List of molecules   | Indicative concentrations |
|------------------------------|---|---------------------------|
| Pesticides in eggs           | Abamectin (sum of avermectin B1a and B1b only), Aldrin, Amitraz (sum of amitraz and all metabolites containing the 2,4-DMA moiety), Azinphos-ethyl, Bifenthrin, Chlordane (cis), Chlordane (trans), Chlorfenvinphos (sum of E and Z isomers), Chlorpyrifos (ethyl), Chlorpyrifos-methyl, Cyfluthrin (sum of constituent isomers), Cyhalothrin-lambda, Cypermethrin (sum of constituent isomers), DDD-pp (TDE o 4,4'-DDD), DDE-pp (2,4'-DDE), DDT-op (2,4DDT) , DDT-pp (4,4DDT), Deltamethrin, Diazinon, Dichlorvos, Dicofol, Dieldrin, Endosulfan I (alpha), Endosulfan II (beta), Endosulfan-sulfate, Endrin, Etoxazole, Famoxadone, Fenthion (parent), Fenvalerate (sum of constituent isomers in any ratio including esfenvalerate), Fipronil (parent), Fipronil-sulfone, Fludioxonil, Flufenoxuron, HCB (hexachlorobenzene), HCH-A (alpha hexachlorocyclohexane), HCH-B (beta hexachlorocyclohexane), HCH-G (gamma hexachlorocyclohexane / lindane), Heptachlor, Heptachlor-epoxide (cis), Heptachlor-epoxide (trans), Indoxacarb (sum of indoxacarb and its R enantiomer), Methidathion, Methoxychlor, Parathion (ethyl), Parathion-methyl, Pendimethalin, Permethrin (sum of isomers), Pirimiphos-methyl, Profenofos, Pyrazophos, Pyridaben, Pyriproxyfen, Quintozene, Spinosad (sum of Spinosyn A and D), Tecnazene, Thiamethoxam, Triadimefon, Triazophos, Vinclozolin.<br><i>At least 5 molecules will be present.</i> | < 300 ppb                 |
| Pesticides in honey          | Glyphosate, Acetamiprid, Amitraz (sum of amitraz and all metabolites containing the 2,4-DMA moiety), bromopropylate, cypermethrin, Clothianidin, Chlorfenvinphos, Coumaphos, Fluvalinate (tau), Imidacloprid, Nitenpyram, permethrin, Tetrahydrophthalimide (THP), Thiacloprid, Thiamethoxam - Aminomethylphosphonic acid (AMPA).<br><i>At least 5 molecules will be present The presence of glyphosate, amitraz, cumaphos, fluvalinate is guaranteed.</i>  | < 300 ppb                 |
| Pesticides in chicken muscle | fipronil, fipronil sulfone, fluralaner, amitraz (sum of amitraz and all metabolites containing the 2,4-DMA moiety).<br><i>All the molecules will be present.</i>  | < 300 ppb                 |
| Pesticides in swine fat      | Abamectin (sum of Avermectin B1a and B1b only), Aldrin, Azinphos-ethyl, Bifenthrin (sum of isomers), Chlordane (cis), Chlordane (trans), Chlorfenvinphos (sum of E and Z isomers), Cyfluthrin (sum of constituent isomers), Cyhalothrin-lambda (includes cyhalothrin-gamma) Cypermethrin (sum of constituent isomers), DDD-pp (TDE o 4,4'-DDD), DDE-pp (2,4'-DDE), DDT-op (2,4DDT), DDT-pp (4,4DDT), Deltamethrin, Diazinon, Dieldrin, Endosulfan I (alpha), Endosulfan II (beta), Endosulfan-sulfate, Endrin, Etoxazole, Famoxadone, Fenitrothion, Fenvalerate (sum of constituent isomers in any ratio including esfenvalerate), Fipronil (parent compound only), Fipronil-sulfone, Flufenoxuron, HCB (hexachlorobenzene), HCH-A (alpha hexachlorocyclohexane), HCH-B (beta hexachlorocyclohexane), HCH-G (gamma hexachlorocyclohexane / lindane), Heptachlor, Heptachlor-epoxide (cis), Heptachlor-epoxide (trans), Indoxacarb (sum of indoxacarb and its R enantiomer), Methidathion, Methoxychlor, Parathion (-ethyl), Parathion-methyl, Pendimethalin, Permethrin (sum of isomers), Profenofos, Pyrazophos, Pyridaben, Pyriproxyfen, Quintozene, Spinosad (sum of Spinosyn A and D), Tecnazene, Thiamethoxam, Triazophos, Vinclozolin.<br><i>At least 5 molecules will be present.</i>  | < 300 ppb                 |
| Chlorates and Perchlorates   | sodium chlorate, potassium perchlorate  | < 200 ppb                 |

The quantification is requested. Evaluation will be in z-score terms.  
In each participation there are included the evaluations of 2 technicians.

## ROUND of OCTOBER (see next page too)

Shipping date: October 21<sup>st</sup> 2024. Result submission deadline: November 25<sup>th</sup> 2024. Final Report available in January 2025.  
Order deadline: August 31<sup>st</sup> 2024

| Analytes   | Matrix                           | Status                | Code   | Quantity                | Euro   |
|--|----------------------------------|-----------------------|--------|-------------------------|--------|
| Mercury/Lead/Cadmium   | lettuce <sup>LIO</sup>           | spiked                | VF4900 | 50g x 1 Test Material   | 242,00 |
| Mercury/Lead/<br>Cadmium/Arsenic   | chicken<br>muscle <sup>LIO</sup> | spiked                | M4901  | 40g x 1 Test Material   | 242,00 |
| Mercury/Lead/<br>Cadmium/Arsenic   | milk <sup>LIO</sup>              | spiked                | MI4902 | 200ml x 1 Test Material | 242,00 |
| Mercury/Methylmercury/Lead/<br>Cadmium/Arsenic/Chromium  | fish <sup>LIO</sup>              | spiked or<br>incurred | SF4903 | 50g x 1 Test Material   | 242,00 |
| Arsenic/Lead/Cadmium/Nickel/Zinc/<br>Mercury/Thallium/Selenium/Copper/<br>Manganese/Aluminium/Zinc | powdered<br>eggs                 | spiked or<br>incurred | E4904  | 20g x 1 Test Material   | 242,00 |
| Cadmium/Lead   | light honey                      | spiked                | H4905  | 40g x 1 Test Material   | 242,00 |
| Cadmium/Lead   | legumes<br>(chickpeas)           | spiked                | L4906  | 50g x 1 Test Material   | 242,00 |

Analysis of metals intended to the homogeneity study have been subcontracted. Test Veritas is responsible of subcontracted activities.  
<sup>LIO</sup> Lyophilized material. Quantity regards the final quantity after reconstitution. Instructions for reconstitution will be delivered with the test material.

### TECHNICAL ASPECTS

Each test material may contain one or more substances from the table below. It is not requested to research all the molecules of each group.

| Category | List of molecules   | Indicative concentrations  |
|----------|---|--|
| Metals   | In vegetables, muscle, milk, fish, powdered eggs, honey and pulses all molecules will be present. |  |
|          | Lead  | vegetables, honey, legumes: < 300 ppb<br>muscle, eggs: < 1 ppm<br>milk: < 100 ppb<br>fish: < 500 ppb   |
|          | Cadmium   | vegetables, muscle, honey, legumes: < 300 ppb<br>milk: < 100 ppb<br>fish: < 500 ppb<br>eggs: < 0,1 ppm |
|          | Mercury   | vegetables: < 300 ppb<br>muscle: < 2 ppm<br>milk: < 100 ppb<br>fish: < 1 ppm<br>eggs: < 0,1 ppm        |
|          | Arsenic   | muscle: < 2 ppm<br>milk: < 200 ppb<br>fish: < 3 ppm<br>eggs: < 1 ppm                                   |
|          | Chromium  | fish, eggs: < 1 ppm  |
|          | Methylmercury   | fish: < 1 ppm  |
|          | Nickel  | eggs: < 1 ppm  |
|          | Thallium  | eggs: < 0,1 ppm  |
|          | Selenium  | eggs: < 3 ppm  |
|          | Copper  | eggs: < 3 ppm  |
|          | Manganese   | eggs: < 3 ppm  |
|          | Aluminium   | eggs: < 15 ppm   |
| Zinc     | eggs: < 50 ppm  |  |

The quantification is requested. Evaluation will be in z-score terms.  
In each participation there are included the evaluations of 2 technicians.

## ROUND of APRIL

Shipping date: April 15th 2024. Result submission deadline: May 20th 2024. Final Report available in June 2024.  
Order deadline: February 19th 2024

| Analytes  | Matrix      | Status | Code   | Quantity              | Euro   |
|-----------|-------------|--------|--------|-----------------------|--------|
| Natamycin | hard cheese | spiked | CE4206 | 30g x 1 Test Material | 305,00 |

## ROUND of MAY

Shipping date: May 13th 2024. Result submission deadline: June 17th 2024. Final Report available in July 2024.  
Order deadline: March 22th 2024

| Analytes                                  | Matrix              | Status | Code   | Quantity              | Euro   |
|---|---------------------|--------|--------|-----------------------|--------|
| Citric acid, benzoic acid and sorbic acid | fish <sup>LIO</sup> | spiked | SF4307 | 50g x 1 Test Material | 242,00 |
| Illegal dyes SUDAN                        | meat                | spiked | M4308  | 80g x 1 Test Material | 290,00 |

## ROUND of OCTOBER

Shipping date: October 21st 2024. Result submission deadline: November 25th 2024. Final Report available in January 2025.  
Order deadline: August 31st 2024

| Analytes          | Matrix                 | Status | Code    | Quantity              | Euro   |
|-------------------|------------------------|--------|---------|-----------------------|--------|
| Sulphites         | shrimps <sup>LIO</sup> | spiked | SF4907  | 70g x 1 Test Material | 242,00 |
| Nitrates          | vegetables             | spiked | in 2025 |                       |        |
| Nitrites/Nitrates | meat                   | spiked | in 2025 |                       |        |
| Sulphites         | meat                   | spiked | in 2025 |                       |        |

Analysis of additives intended to the homogeneity study have been subcontracted.

<sup>LIO</sup> Lyophilized material. Quantity regards the final quantity after reconstitution. Instructions for reconstitution will be delivered with the test material.

### TECHNICAL ASPECTS

Each test material may contain one or more substances from the table below.  
It is not requested to research all the molecules of each group.

| Category           | List of molecules   | Indicative concentrations |
|--------------------|---|---------------------------|
| Natamycin          | natamycin (pimaricin)   | cheese: < 10 ppm          |
| Illegal dyes SUDAN | butter yellow, para red, sudan (I, II, III, IV), sudan orange G, sudan red B, sudan red 7B, sudan red G, toluidine red, orange II, rhodamine B, sudan black B | meat: < 400 ppb           |
| Acids              | citric acid, benzoic acid and sorbic acid,  | fish: < 200 ppm           |
| Sulphites          | E221 sodium sulphite, E225 potassium sulphite   | shrimps: < 200 ppm        |

Those proficiency tests could distinguish between participations with confirmatory methods (e.g. HPLC, GC) or screening methods (ELISA, RIA, biosensors, microbial inhibition assays, lateral flow, etc...).

For participating with **confirmatory methods** the code is **A** and quantification is requested. Evaluation of performance will be in z-score terms.

For participating with **screening methods** the code is **B** and quantification is optional. Qualitative results will be assessed by dedicated criteria (see *Evaluation Criteria* at [www.testveritas.com](http://www.testveritas.com)).

When the shipment includes **2 test materials**, these are different so the laboratory will receive an evaluation for each test material. **Each participation includes the evaluations of 2 technicians.**

## ROUND of JUNE (see next page too)

Shipping date: June 17th 2024. Result submission deadline: July 22<sup>th</sup> 2024. Final Report available in September 2024.

Order deadline: May 3<sup>rd</sup> 2024

| Analytes                      | Matrix                    | Status   | Code    |   | Quantity                | Euro   |
|-------------------------------|---------------------------|----------|---------|---|-------------------------|--------|
| Aflatoxins B/G                | peanuts <sup>s</sup>      | incurred | N4601   | A | 55g x 1 Test Material   | 273,00 |
|                               |                           |          |         | B | 55g x 1 Test Material   | 209,00 |
| Ochratoxin A                  | green coffee <sup>s</sup> | incurred | GC4603  | A | 55g x 1 Test Material   | 273,00 |
|                               |                           |          |         | B | 55g x 1 Test Material   | 209,00 |
| Ochratoxin A                  | red wine                  | spiked   | W4604   | A | 50ml x 1 Test Material  | 273,00 |
|                               |                           |          |         | B | 20ml x 1 Test Material  | 209,00 |
| Patulin                       | apple juice               | spiked   | VF4605  | A | 50ml x 2 Test Materials | 273,00 |
|                               |                           |          |         | B | 50ml x 2 Test Materials | 209,00 |
| Aflatoxins B/G & Ochratoxin A | cocoa                     | incurred | in 2025 |   |                         |        |

Analysis of aflatoxins B/G, ochratoxin A and patulin intended to the homogeneity study have been subcontracted. Test Veritas is responsible of subcontracted activities.

<sup>s</sup>Material has been irradiated. The irradiation process has been subcontracted.

## TECHNICAL ASPECTS

Each test material may contain one or more substances from the table below. The proposed concentrations are indicative, especially for incurred matrix (naturally contaminated) with multiple contamination. In case 2 test materials are provided, one could be blank.

It is not requested to research all the molecules of each group.

| Category       | List of molecules  | Indicative concentrations |
|----------------|--|---------------------------|
| Aflatoxins B/G | aflatoxins B1, B2, G1, G2 and/or total aflatoxins<br><a href="#">The presence of Aflatoxin B1 is guaranteed.</a> | peanuts: < 30 ppb         |
| Ochratoxin A   | ochratoxin A   | coffee, wine: < 8 ppb     |
| Patulin        | patulin  | apple juice: < 150 ppb    |

## ROUND of JUNE (see previous page too)

Shipping date: June 17th 2024. Result submission deadline: July 22<sup>th</sup> 2024. Final Report available in September 2024.  
Order deadline: May 3<sup>rd</sup> 2024

| Analytes   | Matrix        | Status   | Code    |   | Quantity              | Euro   |
|------------|---------------|----------|---------|---|-----------------------|--------|
| Acrylamide | baby biscuits | incurred | BF4606  | A | 40g x 1 Test Material | 262,00 |
|            |               |          |         | B | 20g x 1 Test Material | 209,00 |
| Acrylamide | potato chips  | incurred | CH4607  | A | 40g x 1 Test Material | 262,00 |
|            |               |          |         | B | 20g x 1 Test Material | 209,00 |
| Acrylamide | coffee        | incurred | in 2025 |   |                       |        |

| Analytes   | Matrix                   | Status   | Code   |   | Quantity              | Euro                  |        |
|--|--------------------------|----------|--------|---|-----------------------|-----------------------|--------|
| Aflatoxins B/G, Fumonisin, ochratoxin A, DON and ZEN | maize flour <sup>s</sup> | incurred | MA4600 | A   | 80g x 1 Test Material | 780,00                |        |
|  |                          |          |        | B   | 40g x 1 Test Material | 630,00                |        |
| <i>partial participations in MA4600</i>              |                          |          |        |   |                       |                       |        |
|  |                          |          |        | Only for analysis of 1 mycotoxin of your choice:  | A                     | 80g x 1 Test Material | 273,00 |
|  |                          |          |        |   | B                     | 40g x 1 Test Material | 209,00 |
|  |                          |          |        | Only for analysis of 2 mycotoxins of your choice: | A                     | 80g x 1 Test Material | 346,00 |
|  |                          |          |        |   | B                     | 40g x 1 Test Material | 272,00 |
|  |                          |          |        | Only for analysis of 3 mycotoxins of your choice: | A                     | 80g x 1 Test Material | 440,00 |
|  |                          |          |        |   | B                     | 40g x 1 Test Material | 388,00 |
|  |                          |          |        | Only for analysis of 4 mycotoxins of your choice: | A                     | 80g x 1 Test Material | 713,00 |
|  |                          |          |        |   | B                     | 40g x 1 Test Material | 597,00 |

Analysis of acrylamide, aflatoxins B/G, fumonisins, ochratoxin A, DON and ZEN intended to the homogeneity study have been subcontracted. Test Veritas is responsible of subcontracted activities.

<sup>s</sup>Material has been irradiated. The irradiation process has been subcontracted

For participating with **confirmatory methods** the code is **A** and quantification is requested. Evaluation of performance will be in z-score terms.

For participating with **screening methods** the code is **B** and quantification is optional. Qualitative results will be assessed by dedicated criteria (see Evaluation Criteria at [www.testveritas.com](http://www.testveritas.com)).

### TECHNICAL ASPECTS

Each test material may contain one or more substances from the table below. The proposed concentrations are indicative, especially for incurred matrix (naturally contaminated) with multiple contamination. In case 2 test materials are provided, one could be blank.

It is not requested to research all the molecules of each group.

| Category       | List of molecules   | Indicative concentrations                               |
|----------------|---|---|
| Aflatoxins B/G | aflatoxins B1, B2, G1, G2 and/or total aflatoxins<br><i>The presence of Aflatoxin B1 is guaranteed.</i> | maize: < 50 ppb   |
| Fumonisin      | Fumonisin B1, fumonisin B2 and/or sum (B1 + B2)   | maize: < 6 ppm  |
| Ochratoxin A   | ochratoxin A  | maize: < 30 ppb   |
| DON            | deoxynivalenol  | maize: < 6 ppm  |
| ZEN            | zearalenone   | maize: < 500 ppb  |
| Acrylamide     | acrylamide  | biscuits: 0,05 < x < 0,5 ppm<br>chips: 0,05 < x < 2 ppm |

# Progetto Trieste – Mycotoxins and Acrylamide 2024 Programme

## ROUND of OCTOBER (see next page too)

Shipping date: October 21<sup>st</sup> 2024. Result submission deadline: November 25<sup>th</sup> 2024. Final Report available in January 2025.  
Order deadline: August 31<sup>st</sup> 2024

| Analytes                                     | Matrix                     | Status             | Code    |   | Quantity                | Euro   |
|--|----------------------------|--------------------|---------|---|-------------------------|--------|
| Aflatoxin M1                                 | bovine milk <sup>LIO</sup> | spiked or incurred | MI4700  | A | 110ml x 2 Test Material | 273,00 |
|  |                            |                    |         | B | 20ml x 2 Test Material  | 178,00 |
| Aflatoxins B/G and Ochratoxin A              | feed <sup>s</sup>          | incurred           | F4701   | A | 55g x 1 Test Material   | 346,00 |
|  |                            |                    |         | B | 55g x 1 Test Material   | 272,00 |
| <i>partial participations in F4701</i>       |                            |                    |         |   |                         |        |
|  |                            |                    |         | A | 55g x 1 Test Material   | 273,00 |
| Only for analysis of aflatoxins B/G: F4701/Y |                            |                    |         | B | 55g x 1 Test Material   | 209,00 |
|  |                            |                    |         | A | 55g x 1 Test Material   | 273,00 |
| Only for analysis of ochratoxin A: F4701/O   |                            |                    |         | B | 55g x 1 Test Material   | 209,00 |
| DON and T-2 & HT-2                           | feed <sup>s</sup>          | spiked or incurred | F4702   | A | 55g x 1 Test Material   | 346,00 |
|  |                            |                    |         | B | 55g x 1 Test Material   | 272,00 |
| <i>partial participations in F4702</i>       |                            |                    |         |   |                         |        |
|  |                            |                    |         | A | 55g x 1 Test Material   | 273,00 |
| Only for analysis of DON: F4702/D            |                            |                    |         | B | 55g x 1 Test Material   | 209,00 |
|  |                            |                    |         | A | 55g x 1 Test Material   | 273,00 |
| Only for analysis of T-2 & HT-2: F4702/T     |                            |                    |         | B | 55g x 1 Test Material   | 209,00 |
| DON and T-2 & HT-2                           | wheat <sup>s</sup>         | incurred           | WH4703  | A | 55g x 1 Test Material   | 346,00 |
|  |                            |                    |         | B | 55g x 1 Test Material   | 272,00 |
| <i>partial participations in WH4703</i>      |                            |                    |         |   |                         |        |
|  |                            |                    |         | A | 55g x 1 Test Material   | 273,00 |
| Only for analysis of DON: WH4703/D           |                            |                    |         | B | 55g x 1 Test Material   | 209,00 |
|  |                            |                    |         | A | 55g x 1 Test Material   | 273,00 |
| Only for analysis of T-2 & HT-2: WH4703/T    |                            |                    |         | B | 55g x 1 Test Material   | 209,00 |
| Ergot alkaloids                              | wheat                      | spiked             | WH4705  | A | 55g x 1 Test Material   | 400,00 |
| Aflatoxins B/G & Ochratoxin A                | paprika                    | incurred           | in 2025 |   |                         |        |

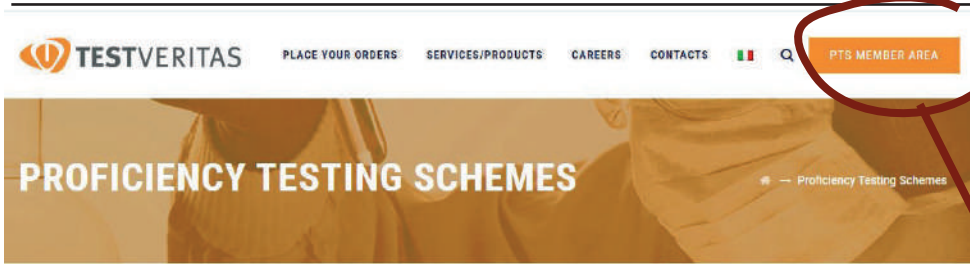
Analysis of ergot alkaloids, aflatoxins B/G, ochratoxin A, DON, T-2 & HT-2 intended to the homogeneity study have been subcontracted. Test Veritas is responsible of subcontracted activities. <sup>s</sup>Material has been irradiated. The irradiation process has been subcontracted. For participating with **confirmatory methods** the code is **A** and quantification is requested. Evaluation of performance will be in z-score terms. For participating with **screening methods** the code is **B** and quantification is optional. Qualitative results will be assessed by dedicated criteria (see Evaluation Criteria at [www.testveritas.com](http://www.testveritas.com)).

### TECHNICAL ASPECTS

Each test material may contain one or more substances from the table below. The proposed concentrations are indicative, especially for incurred matrix (naturally contaminated) with multiple contamination. In case 2 test materials are provided, one could be blank. Milk test materials would contain preservative solutions. It is not requested to research all the molecules of each group.

| Category        | List of molecules   | Indicative concentrations |
|-----------------|---|---------------------------|
| Aflatoxins B/G  | aflatoxins B1, B2, G1, G2 and/or total aflatoxins   | feed: < 80 ppb            |
| Ochratoxin A    | ochratoxin A  | feed: < 30 ppb            |
| Aflatoxin M1    | aflatoxin M1  | milk: < 100 ppt or blank  |
| DON             | deoxynivalenol  | feed, wheat: < 6 ppm      |
| T-2 & HT-2      | T-2 & HT-2 toxins & as a sum  | feed, wheat: < 600 ppb    |
| Ergot Alkaloids | ergometrine, ergosine, ergocornine, ergotamine, ergocristine, ergocriptine, total ergot alkaloids | wheat: < 20 ppb           |





Progetto Trieste has a Restricted Web Area for participants at [www.testveritas.com](http://www.testveritas.com)



At [www.testveritas.com](http://www.testveritas.com) it is available information about how Progetto Trieste works, advantages, FAQ and examples of Final Report to show elaboration data methods.

#### WHAT IS

A Proficiency Testing provides the evaluation of participant performance against pre-established criteria by means of interlaboratory comparisons. Test Veritas organizes it through one or more rounds of interlaboratory EN ISO/IEC 17043:2010 accredited trials or through trials that follow this international standard requirements.

The accreditation certifies that Progetto Trieste meets the requirements of the standard EN ISO/IEC 17043:2010 "Conformity assessment- General requirements for proficiency testing". You could download the certificate in this page under the section ACCREDITATION.

- + HOW IT WORKS
- + WHY TO PARTICIPATE
- + ADVANTAGES
- + FAQ
- + PROGRAMME
- + EVALUATION CRITERIA
- + ACCREDITATION
- + FINAL REPORT
- + VIDEO



After login in the Restricted Web Area it is possible to fill in the on-line order form. On-line order is necessary for the management of the participation.

#### ORDER FORM

| OTHER CHEMICAL CONTAMINANTS ROUND2014                    |            |             |                      |           |   |   |
|--|------------|-------------|----------------------|-----------|---|---|
| ANALYTES   | MATRIX     | CODE        | Q.TY                 | PRICE (€) | a) CONTACT NAME<br>b) EMAIL   | DATA  |
| pesticides   | tomato     | VF1480      | <input type="text"/> | 220.00 €  | a)contact name: <input type="text"/><br>b)email: <input type="text"/> | Initial Date: 13/10/2014<br>Delivered final report: December 2014 |
|  |            | VF1480blank | <input type="text"/> | 50.00 €   | a)contact name: <input type="text"/><br>b)email: <input type="text"/> | Initial Date: 13/10/2014<br>Delivered final report: December 2014 |
| nitrate and nitrite                                      | swine meat | M1481       | <input type="text"/> | 220.00 €  | a)contact name: <input type="text"/><br>b)email: <input type="text"/> | Initial Date: 13/10/2014<br>Delivered final report: December 2014 |
| <input type="checkbox"/> Hardcopy Final Report (€5.00 €) |            |             |                      |           |   |   |

| 1st ROUND-VETERINARY DRUG RESIDUES 2014         |        |               |                      |           |   |   |
|---|--------|---------------|----------------------|-----------|---|---|
| ANALYTES  | MATRIX | CODE          | Q.TY                 | PRICE (€) | a) CONTACT NAME<br>b) EMAIL   | DATA  |
| tetracyclines and quinolones                    | eggs   | E1410 (A)     | <input type="text"/> | 360.00 €  | a)contact name: <input type="text"/><br>b)email: <input type="text"/> | Initial Date: 17/03/2014<br>Delivered final report: June 2014 |
|   |        | E1410 (B)     | <input type="text"/> | 275.00 €  | a)contact name: <input type="text"/><br>b)email: <input type="text"/> | Initial Date: 17/03/2014<br>Delivered final report: June 2014 |
|   |        | E1410 (A+B)   | <input type="text"/> | 600.00 €  | a)contact name: <input type="text"/><br>b)email: <input type="text"/> | Initial Date: 17/03/2014<br>Delivered final report: June 2014 |
| E1410 partial participation: only tetracyclines | eggs   | E1410/T (A)   | <input type="text"/> | 330.00 €  | a)contact name: <input type="text"/><br>b)email: <input type="text"/> | Initial Date: 17/03/2014<br>Delivered final report: June 2014 |
|   |        | E1410/T (B)   | <input type="text"/> | 260.00 €  | a)contact name: <input type="text"/><br>b)email: <input type="text"/> | Initial Date: 17/03/2014<br>Delivered final report: June 2014 |
|   |        | E1410/T (A+B) | <input type="text"/> | 560.00 €  | a)contact name: <input type="text"/><br>b)email: <input type="text"/> | Initial Date: 17/03/2014<br>Delivered final report: June 2014 |

## RESULTS AND REPORT

Results are returned through Progetto Trieste Restricted Web Area.

Progetto Trieste

| E1323B-2  | RESPONSE | CONCENTRATION CORRECTED FOR RECOVERY* (ug/kg) | DECISION LIMIT CC <sub>g</sub> (ug/kg) | DETECTION CAPABILITY CC <sub>B</sub> (ug/kg) | ISO 17025** |
|---|----------|---|--|--|-------------|
| SULFAMETHAZINE  | NS       | NS  | NS                                     | NS   | -           |
| SULFADIMETOXINE   | NS       | NS  |  |  |             |
| SULFAQUINOXALINE  | NS       | NS  |  |  |             |
| SULFAMERAZINE   | NS       | NS  |  |  |             |
| SULFADIAZINE  | NS       | NS  |  |  |             |
| SULFAMETHOXYPIRIDAZINE  | NS       | NS  |  |  |             |
| SULFAMONOMETOXINE   | NS       | NS  |  |  |             |
| SULFATHIAZOL  | NS       | NS  |  |  |             |
| SULPHONAMIDES GROUP<br>(Choose „GROUP“ if your method does not distinguish the molecules. If possible, indicate in the comments which molecules are included) | NS       | NS  |  |  |             |

**ANSWER FORM**

Analytical methods used by participants

Methods:  If other, specify:

Is the analytical method a routine one?

Action level  (ug/kg)  
Specify the concentration above which the material is considered not-compliant

Number of replicates (1 replicate = 1 extraction)  
Number of extraction:  (integer value e.g.:4)

Recovery  
Recovery calculated by:  If other, specify:

Quality  
Quality control implemented:  If other, specify:

Reference  
Reference:  If other, specify:

Source of standards for chromatographic analysis

Amount of test for the extraction  
Sample volume:  (number with one decimal e.g.:1.1)  
Units:

Sample treatment  
Extraction (SPE or other)  
SPE extraction for liquid samples:  If other, specify:   
Other extraction:  If other, specify:   
Digestion:  If other, specify:

Clean up (SPE or other)  
SPE Clean up:  If other, specify:   
Other Clean up:  If other, specify:

HPLC methodology and conditions  
HPLC:   
Column phase:  If other, specify:   
Column length (cm):  (number with one decimal e.g.:1.1)  
Column diameter (mm):  (number with one decimal e.g.:1.1)  
Particle size (µm):  (number with one decimal e.g.:1.1)  
Chromatographic column (type):  If other, specify:   
Mobil phase:  If other, specify:   
pH of mobile phase:  (number with one decimal e.g.:1.1)  
Flow rate (ml/min):  (number with one decimal e.g.:1.1)  
Post column reagent:  If other, specify:   
Injection volume (µl):  (number with one decimal e.g.:1.1)  
UV λ (nm):  
exc:  (number with one decimal e.g.:1.1)  
em:  (number with one decimal e.g.:1.1)

GC methodology and conditions  
Capillary column length (m):  (number with one decimal e.g.:1.1)  
Film thickness (µm):  (number with one decimal e.g.:1.1)  
Chromatographic column:  If other, specify:   
Injection volume (µl):  (number with one decimal e.g.:1.1)  
Injection temperature (°C):  (number with one decimal e.g.:1.1)  
Injection procedure:  If other, specify:   
Oven temperature (°C):  (interval of 2 numbers with no decimal. (es. 50-150))

Please indicate the concentration in relation to reconstituted material  
RESPONSE: "POS" = ANALYTE DETECTED - "NEG" = ANALYTE NOT DETECTED  
\* Please indicate:  
• estimated concentration correct with recovery if the compound is detected but not quantified;  
• "< ..." if the compound is not detected;  
• "> ..." if the compound is detected but not quantified;  
• "NS" if the compound is not searched.  
\*\*Please indicate whether the method used is in the scope of accreditation.  
[Link for consulting performance evaluation criteria.](#) (modified in August 2012)  
We cannot be held responsible for errors arising from incorrect data entry

Reports will be available on the website inside the Restricted Web Area archive.  
Participants will be informed by email about the availability of the Final Report.

### ANSWERS ARCHIVE

#### MY ANSWERS

Number of Modules: 60

| COMPLETION DATE     | IDE. CODE | ANALYSIS DATE | CODE     | LABORATORY                        | ANALYST | LABORATORY CODE | FINAL REPORT                          |
|---------------------|-----------|---------------|----------|-----------------------------------|---------|-----------------|---------------------------------------|
| 14/03/2014 12:27:49 | T6LADD    | 13/03/2014    | M1416(B) | TV - controllo I <sup>fr</sup> FV | Elena   | 999             | <a href="#">Download Final Report</a> |
| 14/03/2014 12:16:43 | ZDYQ88    | 13/03/2014    | M1416(A) | TV - controllo I <sup>fr</sup> FV | Elena   | 999             | <a href="#">Download Final Report</a> |
| 14/03/2014 12:13:37 | G8KFK9    | 13/03/2014    | M1416(B) | TV - controllo I <sup>fr</sup> FV | Elena   | 999             | <a href="#">Download Final Report</a> |
| 14/03/2014 12:09:49 | WHRWKI    | 13/03/2014    | M1416(A) | TV - controllo I <sup>fr</sup> FV | Elena   | 999             | <a href="#">Download Final Report</a> |

Hard-copy reports are available for an additional charge. These are sent to participants by post.

### CONFIDENTIALITY OF RESULTS

The identity of participants is confidential: every participating laboratory receives a code.

Only with specific authorization from the participant, the Progetto Trieste Secretariat will disclose all or part of the results/evaluation to third parties. In exceptional circumstances, when a regulatory authority requires proficiency testing results to be directly provided to the authority by the proficiency testing provider, the affected participants shall be notified of this action in writing. The participants' list will be published in the Final Report.

The laboratory that participates to Progetto Trieste PTs undertakes to keep its result secret and to do not share it with other laboratories before the Final Report is issued.

### CONTROL MATERIALS (AFTER PROFICIENCY TEST CONCLUSION)

At the end of the rounds, Test Materials are made available to the participants (until stock lasts) to carry out further investigations or to use them in the control charts of the analytical method. The test materials will be kept for 2 months.

Exceeded this time, where possible they will be accompanied by a datasheet which will establish the deadline.

The recordings of the tests carried out relating to the test materials will be available for 5 years.

## TAX

All prices are excluding VAT, where applicable, and shipment costs.

## PRICE FOR ADDITIONAL MATERIAL :

In case the provided volume is not enough, it is possible to order additional material.

120,00 Euro for codes containing 2 test materials  
90,00 Euro for codes containing 1 test material

Laboratories that order additional material will receive double quantity of material.

Additional materials will be sold only in combination with Test Materials. They do not allow to take part into the PT.

## PRICE REDUCTIONS (applicable only to orders placed on-line):

- 5% price reduction for ordering 6 or more Test Materials "A" o "B"

## SHIPPING COST (Euro):

- **for mycotoxin and acrylamide rounds**

|   | EU    | Europe non-EU |  |
|---|-------|---------------|--|
| all matrices (excluding cheese and slurry): | 60,00 | 130,00        | Shipping cost for other destinations will be quote on request. |
| cheese and slurry:                          | 90,00 | 130,00        |  |
- **for veterinary drug residues rounds**

|   | EU    | Europe non-EU |  |
|---|-------|---------------|--|
| all matrices (excluding gut and water): | 60,00 | 130,00        | Shipping cost for other destinations will be quote on request. |
| gut:                                    | 90,00 | 130,00        |  |
- **for pesticides, metals, additives, histamine and other compounds rounds**

|  | EU    | Europe non-EU |  |
|--|-------|---------------|--|
| all matrices (excluding meat and fat): | 60,00 | 130,00        | Shipping cost for other destinations will be quote on request. |
| fresh meat and fat:                    | 90,00 | 130,00        |  |

## INVOICING, PAYMENT CONDITIONS

The performance assessment service will start from the on-line registration to the proficiency program. For this reason the invoice will be issued upon the receipt of your order and has to be paid before the test materials will be shipped.

**Note: in case your invoice is not paid before the test materials are send, your laboratory would be cancelled from the participant's list.**

A fixed bank charge of 20,00 euro will be applied for the orders from all non-EU countries. The orders from non-EU countries would be paid against proforma-invoice; 35,00 euro for the certificate of origin can be charged.

Payment can be made by bank credit transfer. Our bank details will be indicated in the order confirmation and in the invoice.

## JURISDICTION

Any dispute arising from this contract is exclusively competent the Court of Trieste, excluding any competing court. Every business relationship will be settled in Italian language. If there were written communications in English, the only language accepted to the Italian alternative, the interpretation of which was contrary to written communication in Italian always prevail the sense of the latter.

## QUALITY SYSTEM

Proficiency Testing Scheme for mycotoxins and veterinary drug residues, histamine, metals and pesticide residues are UNI CEI EN ISO/IEC 17043:2010 accredited by ACCREDIA (Cert. PTP N. 0008 P) .

Scopes of accreditation are available at [www.accredia.it](http://www.accredia.it).

The meaning of the accreditation and the and the details of accredited schemes at [www.testveritas.com](http://www.testveritas.com).

Accreditation excludes, in any case, ACCREDIA from any responsibility regarding the offered service.

Progetto Trieste provider, Test Veritas Srl, operates in conformance with UNI EN ISO 9001:2015 (Cert. N. IT12/0502).



PTP N° 0008 P