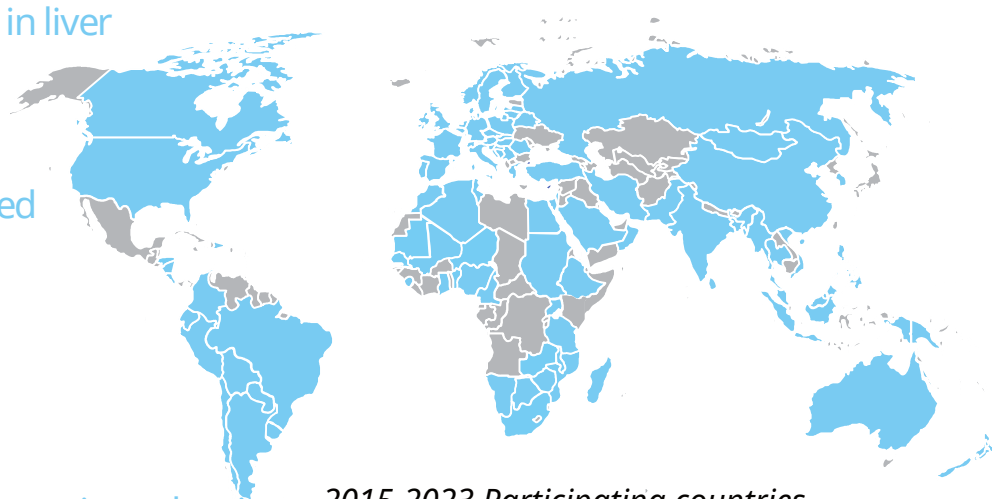


Highlights:

- 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



Progetto Trieste

Laboratory Proficiency Testing
for Food Safety Analysis

26 years of experiences
87 participating countries

List of *EN ISO/IEC 17043:2010*

accredited scopes
available at
www.accredia.it
(Cert. PTP N. 0008 P)

Details of accredited
schemes available at
www.testveritas.com

Operational Headquarter

loc. Padriciano, 99
34149 Trieste (TS)
Italy
Tel: +39 040 3755560

Legal Headquarter

Via Svizzera, 16
35127 Padova (PD)
Italy
Tel: +39 049 8256292
Fax: +39 049 21064938

www.testveritas.com
info@testveritas.com

Mycotoxins

Aflatoxins B₁,G₁,B₂,G₂,M₁
Fumonisin
Ochratoxin A
Patulin
DON
Zearalenone

(pag n. 24-26)

Veterinary drug residues

Synthetic steroids
RAL
Stilbenes
 β - agonists
Ractopamine
Corticosteroids
Chloramphenicol
Tetracyclines
Quinolones and fluoroquinolones
Nitrofurans metabolites
Avermectins
Anthelmintics
Macrolides
 β -lactams
Sulphonamides
Coccidiostats
Aminoglycosides
Nitroimidazoles
Illegal dyes
NSAIDs
Thyrostats
Natural Hormones

(pag n. 4-18)

Histamine biogenic amines and TVBN

(pag n. 10)

Pesticides & Disinfectant

Fipronil, Fluralaner, Pyrethroids
and others pesticides, see the lists on page n.18-19

(pag n. 19-21)

Metals

Lead, Cadmium, Mercury, Arsenic
Tin, Iron, Chromium and others

(pag n. 22)

Additives

Nitrates, Nitrites, Sulphites, Acids, Dyes

(pag n. 23)

Acrylamide

(pag n. 25)

Progetto Trieste - Veterinary Drug Residues

2024 Overview

	Milk	Muscle	Eggs	Liver	Urine	Serum	Fish	Shrimps	Gut	Feed	Honey
Chloramphenicol	March 2024- Feb. 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		February 2025		April 2024							
Tetracyclines	March 2024- Feb. 2025	Sept. 2024	March 2025				Sept. 2024			Nov. 2024	Nov. 2024
Quinolones/ Fluoroquinolones	March 2024- Feb. 2025	Sept. 2024	March 2025				Sept. 2024				Nov. 2024
NSAIDs	March 2024- 2025	March 2024									
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						
Avermectins	May 2024						Sept. 2024				
β-lactams	May 2024	May 2024								April 2024	
Nitroimidazoles			May 2024			November 2024					
Coccidiostatics			May 2024	Nov. 2024						Nov. 2024	
Zeranol		May 2024									
Ethinylestradiol		May 2024									
Natural Hormones						November 2024					
Trimethoprim							Sept. 2024			Nov. 2024	
Illegal Dyes							Sept. 2024				
Amoxicillin										Nov. 2024	
Erythromycin										Nov. 2024	
Streptomycin											Nov. 2024

Progetto Trieste - Veterinary Drug Residues 2024 Programme

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).

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 31st 2024

Analytes	Matrix	Status	Code	Quantity	Euro
Chloramphenicol	bovine milk ^{LIO}	spiked	MI4100	A	20ml x 1 Test Material
				B	10ml x 1 Test Material
Chloramphenicol	rabbit muscle ^{LIO}	incurred	M4101	A	20g x 1 Test Material
				B	10g x 1 Test Material
Chloramphenicol	eggs ^{LIO}	spiked	E4102	A	30g x 1 Test Material
				B	15g x 1 Test Material
Sulphonamides	eggs ^{LIO}	spiked or incurred	E4103	A	30g x 1 Test Material
				B	15g x 1 Test Material
Nitrofurans metabolites	swine muscle ^{LIO}	spiked or incurred	M4104	A	20g x 2 Test Materials
				B	10g x 2 Test Materials
Macrolides	bovine muscle ^{LIO}	spiked	M4106	A	25g x 2 Test Materials
				B	10g x 1 Test Material

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

^{LIO} 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, sulfamethoxypyridazine, sulfadiazine, sulfamonomethoxine, sulfathiazole, sulfaquinolaxine, 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

Progetto Trieste - Veterinary Drug Residues 2024 Programme

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 31st 2024

Analytes	Matrix	Status	Code		Quantity	Euro
Tetracyclines and Quinolones/ Fluoroquinolones	bovine milk ^{LIO}	spiked or incurred	MI4105	A	20ml x 2 Test Materials	472,00
				B	10ml x 2 Test Materials	366,00
partial participations in MI4105						
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 ^{LIO}	spiked	M4108	A	25g x 2 Test Materials	345,00
NSAIDs	bovine milk ^{LIO}	spiked	MI4110	A	20ml x 1 Test Material	345,00
Aminoglycosides	bovine muscle ^{LIO}	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**.

^{LIO} 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 milk: < 60 ppb
Aminoglycosides	streptomycin, dihydrostreptomycin, gentamycin, spectinomycin, neomycin, kanamycin A, apramycin, kanamycin B, aminosidin (Paromycin)	muscle: < 800 ppb

Progetto Trieste - Veterinary Drug Residues 2024 Programme

ROUND of APRIL (see next page too)

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
Synthetic steroids	bovine urine ^{LIO}	spiked or incurred	U4200	A B	18ml x 2 Test Materials 12ml x 2 Test Materials 399,00 309,00
RAL	bovine urine ^{LIO}	incurred	U4201	A B	18ml x 2 Test Materials 6ml x 2 Test Materials 399,00 309,00
Stilbenes	bovine or swine urine ^{LIO}	spiked or incurred	U4202	A B	18ml x 2 Test Materials 6ml x 2 Test Materials 399,00 309,00
β -agonists (ractopamine included)	bovine or swine urine ^{LIO}	spiked or incurred	U4203	A B	18ml x 2 Test Materials 6ml x 2 Test Materials 399,00 309,00
<i>partial participations in U4203</i>					
Only for analysis of β -agonists: U4203/G				A B	18ml x 2 Test Materials 6ml x 2 Test Materials 345,00 285,00
Only for analysis of ractopamine: U4203/R				A B	18ml x 2 Test Materials 6ml x 2 Test Materials 345,00 285,00

Analysis of synthetic steroids, RAL, stilbenes and β -agonists (ractopamine included) 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**.

^{LIO} 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, androstendione	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	
RAL	zeranol, taleranol	urine: < 4 ppb or blank

Progetto Trieste - Veterinary Drug Residues 2024 Programme

ROUND of APRIL (see previous page too)

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
Corticosteroids	bovine urine ^{LIO}	spiked or incurred	U4204	A	18ml x 2 Test Materials
				B	6ml x 2 Test Materials
Amoxicillin (carry-over)	feed	spiked	F3411	A	120g x 1 Test Material
				B	120g x 1 Test Material
Anthelmintics	sheep liver ^{LIO}	spiked	L4107	A	25g x 1 Test Material
				B	10g x 1 Test Material
Thyrostats	bovine urine ^{LIO}	spiked or incurred	in 2025		

Analysis of corticosteroids and anthelmintics 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**.

^{LIO} 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
Corticosteroids	betamethasone, dexamethasone, flumethasone, prednisolone, methylprednisolone, prednisone, beclomethasone, triamcinolone, triamcinolone acetonide	urine: < 6 ppb or blank
Anthelmintics	avermectines (ivermectin, eprinomectin, abamectin, emamectin, doramectin, moxidectin), benzimidazoles (albendazole, flubendazole, febantel, fenbendazole, mebendazole, oxiabendazole, thiabendazole), salicylanilides (closantel, nitroxinil, rafoxanide), imidazoles (levamisole). Levamisole and one avermectine will be present.	liver: < 200 ppb
Amoxicillin	amoxicillin	feed: 0,2-4 ppm

Progetto Trieste - Veterinary Drug Residues 2024 Programme

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
Sulphonamides and Macrolides	bovine milk ^{LIO}	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
				A	20ml x 2 Test Materials	345,00
				B	10ml x 2 Test Materials	309,00
Avermectins and β-lactams	bovine milk ^{LIO}	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
				A	20ml x 2 Test Materials	345,00
				B	10ml x 2 Test Materials	309,00
β-lactams	bovine muscle ^{LIO}	spiked	M4302	A	20g x 1 Test Material	345,00
				B	10g x 1 Test Material	309,00

Analysis of sulphonamides, macrolides and β -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**.

^{LIO} 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, sulfamethoxypyridazine, sulfadiazine, sulfamonomethoxine, sulfathiazole, sulfaquinoxaline, 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
β -lactams	penicillin V, penicillin G, amoxicillin, ampicillin, cloxacillin, oxacillin, cefapirin, cefalexin, cefazolin, cefaclor, cefotaxime Cefaclor will be present in muscle.	milk: < 50 ppb or blank muscle: < 400 ppb

Progetto Trieste - Veterinary Drug Residues 2024 Programme

ROUND of MAY (see previous 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
Nitroimidazoles and Coccidiostatics	eggs ^{LIO}	spiked or incurred	E4303	A	30g x 1 Test Material	472,00
				B	15g x 1 Test Material	366,00
partial participations in E4303						
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
Zeranol	bovine or chicken muscle ^{LIO}	spiked	M4305	A	20g x 1 Test Material	365,00
				B	10g x 1 Test Material	309,00
Ethinylestradiol	bovine muscle ^{LIO}	spiked	M4306	A	20g x 1 Test Material	365,00
				B	10g x 1 Test Material	309,00

Analysis of nitroimidazoles, coccidiostatics, zeranol and ethinylestradiol 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**.

^{LIO} 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
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

Progetto Trieste – Histamine and Biogenic amines - 2024 Programme

ROUND of SEPTEMBER

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

Analytes	Matrix	Status	Code		Quantity	Euro
Histamine (2 levels)	tuna ^{LIO}	incurred	T4400	A	50g x 2 Test Materials	295,00
				B	50g x 2 Test Materials	235,00
Biogenic amines	tuna ^{LIO}	spiked or incurred	T4401	A	50g x 1 Test Materials	365,00

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**.

^{LIO} 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 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 21th 2024. Final Report available in November 2024.
Order deadline: July 26th 2024

Analytes	Matrix	Status	Code		Quantity	Euro
Tetracyclines	fish ^{LIO}	spiked	SF4410	A	20g x 1 Test Material	345,00
				B	10g x 1 Test Material	309,00
Tetracyclines	bovine muscle ^{LIO}	spiked or incurred	M4402	A	20g x 2 Test Materials	345,00
				B	10g x 2 Test Materials	309,00
Sulphonamides	swine muscle ^{LIO}	spiked or incurred	M4403	A	20g x 1 Test Material	345,00
				B	10g x 1 Test Material	309,00
Sulphonamides and Trimethoprim	fish ^{LIO} (salmon trout)	spiked	SF4405	A	20g x 1 Test Material	495,00
				B	10g x 1 Test Material	366,00
partial participations in SF4405						
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 ^{LIO}	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**.

^{LIO} 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 muscle: < 300 ppb or blank
Sulphonamides	sulfamethazine, sulfadimethoxine, sulfamerazine, sulfamethoxypyridazine, sulfadiazine, sulfamonomethoxine, sulfathiazole, sulfaquinoxaline, sulfadoxine, sulfamethoxazole, sulfaguanidine, sulfamethizole <i>Sulfadiazine will be present in fish.</i>	fish: < 300 ppb muscle: < 300 ppb or blank
Trimethoprim	trimethoprim <i>The presence is guaranteed.</i>	fish: < 300 ppb
Chloramphenicol	chloramphenicol	shrimp: < 2 ppb

Progetto Trieste – Veterinary Drug Residues 2024 Programme

ROUND of SEPTEMBER (see previous page too)

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

Analytes	Matrix	Status	Code		Quantity	Euro
Quinolones and Fluoroquinolones	turkey muscle ^{LIO}	spiked or incurred	M4406	A	20g x 2 Test Materials	345,00
				B	10g x 2 Test Materials	309,00
Quinolones and Fluoroquinolones	fish ^{LIO}	spiked	SF4407	A	20g x 1 Test Material	345,00
				B	10g x 1 Test Material	309,00
Illegal dyes	fish ^{LIO}	spiked	SF4408	A	20g x 1 Test Material	345,00
				B	10g x 1 Test Material	309,00
Avermectins	fish ^{LIO}	spiked	SF4409	A	20g x 1 Test Material	345,00
				B	10g x 1 Test Material	309,00
Nitrofurantol metabolites	swine gut (natural casing) ^{LIO}	spiked	M4411	A	20g x 1 Test Material	345,00
				B	10g x 1 Test Material	309,00
Nitrofurantol metabolites (blank sample)	swine gut (natural casing) ^{LIO}	blank	M4411blank		20g x 1 Test Material	61,00

Analysis of illegal dyes and nitrofurantol 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.

^{LIO} 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 muscle: < 400 ppb or blank
Illegal dyes	malachite green, leucomalachite green, crystal violet, leucocrystal violet, brilliant green, total illegal dyes	fish: < 8ppb
Avermectins	eprinomectin, abamectin, ivermectin, emamectin, doramectin, moxidectin	fish: < 300 ppb
Nitrofurantol metabolites	AOZ, AMOZ, SEM, AHD, DNSH. <i>All the molecules will be present.</i>	gut: 0,25 ppb < x < 1,25 ppb

Progetto Trieste – Veterinary Drug Residues 2024 Programme

ROUND of NOVEMBER (see next page too)

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

Analytes	Matrix	Status	Code		Quantity	Euro
β-agonists (ractopamine included)	bovine liver ^{LIO}	spiked or incurred	L4500	A	20g x 2 Test Materials	375,00
				B	10g x 2 Test Materials	309,00
partial participations in L4500						
Only for analysis of β-agonists: L4500/G				A	20g x 2 Test Materials	345,00
				B	10g x 2 Test Materials	289,00
Only for analysis of ractopamine: L4500/R				A	20g x 2 Test Materials	345,00
				B	10g x 2 Test Materials	289,00
Nitroimidazoles	bovine serum ^{LIO}	spiked	SE4304	A	15ml x 1 Test Material	345,00
				B	5ml x 1 Test Material	309,00
Natural hormones	bovine serum ^{LIO}	spiked	SE4309		15ml x 1 Test Material	399,00
Corticosteroids	bovine muscle ^{LIO}	spiked	M4502	A	20g x 1 Test Material	345,00
				B	10g x 1 Test Material	309,00
Stilbenes	bovine or swine liver ^{LIO}	spiked	L4509	A	20g x 1 Test Material	345,00
				B	10g x 1 Test Material	309,00
Coccidiostatics	bovine liver ^{LIO}	spiked or incurred	L4511	A	20g x 1 Test Material	345,00
				B	10g x 1 Test Material	309,00

Analysis of corticosteroids, nitroimidazoles, natural hormones 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**.

^{LIO} 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	
Nitroimidazoles	Dimetridazole, metronidazole, ipronidazole, ronidazole, 2-hydroxydimetridazole (HMMNI), 2-hydroxymetronidazole, 2-Hydroxy Ipronidazole	serum: < 10 ppb
Natural hormones	Progesterone, testosterone, 17b estradiol. <i>All the molecules will be present.</i>	serum: < 6 ppb
Corticosteroids	betamethasone, dexamethasone, flumethasone, prednisolone, methylprednisolone, prednisone, beclomethasone, triamcinolone, triamcinolone acetonide	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

Progetto Trieste – Veterinary Drug Residues 2024 Programme

ROUND of NOVEMBER (see next and previous page too)

Shipping date: November 18th 2024. Result submission deadline: December 27th 2024. Final Report available in January 2025.
Order deadline: September 30th 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, Sulphonamides and Trimethoprim	medicated feed	/	F4513	A	120g x 1 Test Material	550,00
				B	120g x 1 Test Material	450,00
partial participations in F4513						
Only for analysis of sulphonamides: F4513/S				A	120g x 1 Test Material	345,00
				B	120g x 1 Test Material	309,00
Only for analysis of trimethoprim: F4513/T				A	120g x 1 Test Material	345,00
				B	120g x 1 Test Material	309,00
Only for analysis of tetracyclines: F4513/O				A	120g x 1 Test Material	345,00
				B	120g x 1 Test Material	309,00
Coccidiostatics and Erythromycin (carry-over)	feed	/	F4514	A	120g x 1 Test Material	472,00
				B	120g x 1 Test Material	366,00
partial participations in F4514						
Only for analysis of coccidiostatics: F4514/C				A	120g x 1 Test Material	345,00
				B	120g x 1 Test Material	309,00
Only for analysis of erythromycin: F4514/E				A	120g x 1 Test Material	345,00
				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) 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

Progetto Trieste – Veterinary Drug Residues 2024 Programme

ROUND of NOVEMBER (see previous page too)

Shipping date: November 18th 2024. Result submission deadline: December 16th 2024 for H4503, H4505, H4506/T, H4507 and December 27th 2024 for H4504, H4506/M, H4508. Final Report available in January 2025.

Order deadline: September 30th 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
Nitrofuran 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
partial participations in H4506						
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 <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, <i>The presence of Tylosin is guaranteed.</i>	
Quinolones and Fluoroquinolones	enrofloxacin, ciprofloxacin, flumequine, danofloxacin, oxolinic acid, norfloxacin, marbofloxacin, sarafloxacin, nalidixic acid, difloxacin	

Progetto Trieste – Veterinary Drug Residues 2025 Programme

Further Proficiency Testing... in 2025 ROUND of FEBRUARY 2025

Shipping date: February 17th 2025. Result submission deadline: March 24th 2025. Final Report available in April 2025.

Analytes	Matrix	Status	Code	Quantity	Euro
Chloramphenicol	bovine milk ^{LIO}	spiked	MI5100	A B 20ml x 1 Test Material 10ml x 1 Test Material	345,00 309,00
Anthelmintics	bovine muscle ^{LIO}	spiked	M5111	A B 25g x 1 Test Material 10g x 1 Test Material	345,00 309,00
Tetracyclines and Quinolones/ Fluoroquinolones	bovine milk ^{LIO}	spiked or incurred	MI5107	A B 20ml x 2 Test Materials 10ml x 2 Test Materials	472,00 366,00
<i>partial participations in MI5107</i>					
Only for analysis of quinolones/fluoroquinolones: MI5107/Q				A B 20ml x 2 Test Materials 10ml x 2 Test Materials	345,00 309,00
Only for analysis of tetracyclines: MI5107/T				A B 20ml x 2 Test Materials 10ml x 2 Test Materials	345,00 309,00

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

^{LIO} 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: < 2 ppb
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
Anthelmintics	avermectines (ivermectin, eprinomectin, abamectin, emamectin, doramectin, moxidectin), benzimidazoles (albendazole, flubendazole, febantel, fenbendazole, mebendazole, oxbendazole, thiabendazole), salicylanilides (closantel, nitroxinil, rafoxanide), imidazoles (levamisole). <u>Levamisole and one avermectine will be present.</u>	muscle: < 200 ppb

Progetto Trieste – Veterinary Drug Residues 2025 Programme

ROUND of MARCH 2025 (see next 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
Chloramphenicol	chicken or bovine muscle ^{LIO}	spiked	M5101	A B	20g x 1 Test Material 10g x 1 Test Material	345,00 309,00
Chloramphenicol	eggs ^{LIO}	spiked	E5102	A B	30g x 1 Test Material 15g x 1 Test Material	345,00 309,00
Sulphonamides	eggs ^{LIO}	spiked or incurred	E5103	A B	30g x 1 Test Material 15g x 1 Test Material	345,00 309,00
Nitrofurantol metabolites	swine muscle ^{LIO}	spiked or incurred	M5104	A B	20g x 1 Test Material 10g x 1 Test Material	345,00 309,00
Nitrofurantol metabolites	shrimps ^{LIO}	spiked	SF5105	A B	20g x 1 Test Material 10g x 1 Test Material	345,00 309,00
Nitrofurantol metabolites	eggs ^{LIO}	spiked	E5106	A B	30g x 1 Test Material 15g x 1 Test Material	345,00 309,00
Macrolides	bovine muscle ^{LIO}	spiked	M5109	A B	25g x 1 Test Material 10g x 1 Test Material	345,00 309,00
Macrolides	eggs ^{LIO}	spiked	E5110	A B	30g x 1 Test Material 15g x 1 Test Material	345,00 309,00
Corticosteroids	bovine liver ^{LIO}	spiked or incurred	L5205	A B	20g x 2 Test Material 10g x 1 Test Material	345,00 309,00

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

^{LIO} 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	eggs, muscle: < 2 ppb
Nitrofurantol metabolites	AOZ, AMOZ, SEM, AHD, DNSH <i>In muscle and shrimps the presence of DNSH will be guaranteed.</i>	muscle, shrimps, eggs: < 3 ppb
Sulphonamides	sulfamethazine, sulfadimethoxine, sulfamerazine, sulfamethoxypyridazine, 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	muscle, eggs: < 250 ppb
Corticosteroids	betamethasone, dexamethasone, flumethasone, prednisolone, methylprednisolone, prednisone, beclomethasone, triamcinolone, triamcinolone acetate	liver: < 6 ppb

Progetto Trieste – Veterinary Drug Residues 2025 Programme

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	eggs ^{LIO}	spiked	E5108	A	30g x 1 Test Material	472,00
				B	15g x 1 Test Material	366,00
partial participations in E5108						
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
NSAIDs	bovine milk ^{LIO}	spiked	MI5112	A	20ml x 1 Test Material	345,00
Chloramphenicol and β-agonists	animal watering water	spiked	WA5206	A	25ml x 2 Test Material	472,00
				B	10ml x 2 Test Material	366,00
partial participations in WA5206						
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 β-agonists: WA5206/G				A	25ml x 2 Test Material	345,00
				B	10ml x 2 Test Material	309,00

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

^{LIO} 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	eggs: < 300 ppb
Quinolones and fluoroquinolones	ciprofloxacin, danofloxacin, enrofloxacin, flumequine, marbofloxacin, nalidixic acid, norfloxacin, oxolinic acid, sarafloxacin, difloxacin	eggs: < 200 ppb
NSAIDs	carprofen, diclofenac, flunixin, 5-Hydroxyflunixin, ibuprofen, ketoprofen, meloxicam, naproxen, niflumic acid, oxyphenylbutazone, phenylbutazone, tolfenamic acid, vedaprofen.	milk: < 60 ppb
Chloramphenicol	chloramphenicol	water: < 3 ppb or blank
β -agonists	clenbuterol, salbutamol, terbutaline, cimbuterol, mabuterol, brombuterol, clenbuterol, ractopamine	water: < 3 ppb or blank

Progetto Trieste – Pesticide Residues & Disinfectant by products. 2024 Programme

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 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
Pesticides (fosetyl and others)	spinach ^{LIO}	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 ^{LIO}	blank	VF4800blank	60g x 1 Test Material	61,00
Pesticides	salmon ^{LIO}	spiked	SF4801	50g x 1 Test Material	304,00
Pesticides (blank sample)	salmon ^{LIO}	blank	SF4801blank	50g x 1 Test Material	61,00
Pesticides	eggs ^{LIO}	spiked	E4802	40g x 1 Test Material	304,00
Pesticides (blank sample)	eggs ^{LIO}	blank	E4802blank	40g x 1 Test Material	61,00
Pesticides (glyphosate and others)	honey	spiked	H4803	70g x 1 Test Material	304,00
Pesticides (blank sample)	honey	blank	H4803blank	70g x 1 Test Material	61,00
Pesticides	chicken muscle ^{LIO}	spiked	M4804	40g x 1 Test Material	304,00
Pesticides (blank sample)	chicken muscle ^{LIO}	blank	M4804blank	40g x 1 Test Material	61,00
Pesticides	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
Chlorates and Perchlorates	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.
^{LIO} Lyophilized material. Quantity regards the final quantity after reconstitution. Instructions for reconstitution will be delivered with the test material.

Progetto Trieste – Pesticide Residues & Disinfectant by products. 2024 Programme

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, Carbazim, Carbofuran (sum), Carboxin, Chlorantraniliprole (rynaxypyr), Chlordane (cis and 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, Coumaphos, 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-sulfate expressed 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, Fensulfthion, Fention, Fenvalerate, Fipronil-sulfone, Flonicamid, Flucythrinate, Fluzifop-p-butyl, Fluzinam, 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 and trans), Heptachlor (sum of heptachlor and heptachlorepoxyde expressed as heptachlor), Heptenophos, Hexaconazole, Haloxypop-2 ethoxyethyl, Haloxypop p-methyl, Hexythiazox, Imazalil, Imidacloprid, Indoxacarb, Iprodion, Iprovalicarb, Isofenphos-ethyl, Isofenphos-methyl, Isoproturon, Isoxaben, Kresoxim-methyl, Lenacil, Linuron, Lufenuron, Malaoxon, Malathion, Mandipropamid, Mecarbam, Mepanipyrim, Metalaxyl, Methamidophos, Metamitron, Metconazole, Metazachlor, Methiocarb, Methiocarb sulfoxide, Methomyl, Methoxychlor, Methoxyfenozide, Metolachlor (sum of isomers), Metrafenone, Metribuzin, Mevinphos, Monocrotophos, Monolinuron, Myclobutanil, Nuarimol, Omethoate, Oxadiazon, Oxadixyl, Oxamyl, Oxyfluorfen, Oxycarboxin, Oxydemeton-methyl, Paclobutrazol, Pencycuron, Penconazole, Pendimethalin, Permethrin, Phenthoate, Phorate, Phosalone, Phosmet, Phosphamidon, Piperonyl-butoxide, Pyraclostrobin, Pyridaben, Pyrifenoxy, Pyrimethanil, Pirimicarb, Pirimiphos ethyl, Pirimiphos-methyl, Pyriproxyfen, Prochloraz, Procymidone, Profenofos, Promecarb, Prometon, Prometryn, Propamocarb, Propargite, Propaquizafop, Propazine, Propiconazole, Propyzamide, Propoxur, Prosulfofocarb, Prothiofos, Pymetrozine, Quinalphos, Quinoxifen, Quintozene, Quazalofop-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, Thiachloprid, Thiamethoxam, Thiodicarb, Tolclofos-methyl, Tolyfluanid, Thiophanate methyl, Triadimenol, Triazophos, Tricyclazole, Trichlorphon, Triadimefon, Trifloxystrobin, Triflumuron, Trifluralin, Triticinazole, Vamidotion, Vinclozolin, Zoxamide.</p> <p><u>At least 9 molecules will be present. The presence of fosetyl (in VF4800 and VF4800/F), boscalid, linuron, atrazine, cyhalothrin-lambda and pirimiphos-methyl is guaranteed.</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 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, Triazophos, Vinclozolin.</p> <p><u>At least 6 molecules will be present. The presence of HCH-A, hexaflumuron, cypermethrin and aldrin is guaranteed.</u></p>	< 300 ppb

Progetto Trieste – Pesticide Residues & Disinfectant by products. 2024 Programme

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	<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, 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.</p> <p><i>At least 6 molecules will be present. The presence of endosulfan I, fipronil, pirimiphos-methyl and permethrin is guaranteed.</i></p>	< 300 ppb
Pesticides in honey	<p>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).</p> <p><i>At least 5 molecules will be present. The presence of glyphosate, clothianidin, coumaphos, acetamiprid is guaranteed.</i></p>	< 300 ppb
Pesticides in chicken muscle	<p>Fipronil, fipronil sulfone, fluralaner, amitraz (sum of amitraz and all metabolites containing the 2,4-DMA moiety).</p> <p><i>All the molecules will be present.</i></p>	< 300 ppb
Pesticides in swine fat	<p>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.</p> <p><i>At least 5 molecules will be present. The presence of deltamethrin, vinclozolin and fipronil sulfone is guaranteed.</i></p>	< 300 ppb
Chlorates and Perchlorates	sodium chlorate, potassium perchlorate	< 200 ppb

Progetto Trieste – Metals 2024 Programme

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

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
Mercury/Lead/Cadmium	lettuce ^{LIO}	spiked	VF4900	50g x 1 Test Material	242,00
Mercury/Lead/ Cadmium/Arsenic	chicken muscle ^{LIO}	spiked	M4901	40g x 1 Test Material	242,00
Mercury/Lead/ Cadmium/Arsenic	milk ^{LIO}	spiked	MI4902	200ml x 1 Test Material	242,00
Mercury/Methylmercury/Lead/ Cadmium/Arsenic/Chromium	fish ^{LIO}	spiked or incurred	SF4903	50g x 1 Test Material	242,00
Arsenic/Lead/Cadmium/Nickel/Zinc/ Mercury/Thallium/Selenium/Copper/ Manganese/Aluminium	powdered eggs	spiked or 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 (chickpeas)	spiked	LE4906	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.

^{LIO} 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 muscle, eggs: < 1 ppm milk: < 100 ppb fish: < 500 ppb
	Cadmium	vegetables, muscle, honey, legumes: < 300 ppb milk: < 100 ppb fish: < 500 ppb eggs: < 0,1 ppm
	Mercury	vegetables: < 300 ppb muscle: < 2 ppm milk: < 100 ppb fish: < 1 ppm eggs: < 0,1 ppm
	Arsenic	muscle: < 2 ppm milk: < 200 ppb fish: < 3 ppm 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

Progetto Trieste – Additives 2024 Programme

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

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 ^{LIO}	spiked	SF4307	50g x 1 Test Material	242,00

ROUND of JUNE

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

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

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 ^{LIO}	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.

^{LIO} 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
Acids	citric acid, benzoic acid and sorbic acid. <i>All the molecules will be present.</i>	fish: < 200 ppm
Sulphites	Sulphites SO ₂	shrimps: < 200 ppm

Progetto Trieste – Mycotoxins and Acrylamide 2024 Programme

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).

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 22th 2024. Final Report available in September 2024.

Order deadline: May 3rd 2024

Analytes	Matrix	Status	Code		Quantity	Euro	
Aflatoxins B/G	peanuts ^s	incurred	N4601	A	55g x 1 Test Material	273,00	
				B	55g x 1 Test Material	209,00	
Patulin	apple juice	spiked	VF4605	A	50ml x 2 Test Materials	273,00	
				B	50ml x 1 Test Material	209,00	
Aflatoxins B/G, Fumonisin, Ochratoxin A, DON and ZEN	maize flour ^s	incurred	MA4600	A	80g x 1 Test Material	780,00	
				B	40g x 1 Test Material	630,00	
partial participations in MA4600							
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	
Aflatoxins B/G & Ochratoxin A	cocoa	incurred	in 2025				
Ochratoxin A	red wine	spiked	in 2025				

Analysis of aflatoxins B/G, fumonisins, ochratoxin A, DON, ZEN and patulin intended to the homogeneity study have been subcontracted. Test Veritas is responsible of subcontracted activities. ^sMaterial 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 <i>The presence of Aflatoxin B1 is guaranteed.</i>	peanuts: < 30 ppb 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
Patulin	patulin	apple juice: < 150 ppb

Progetto Trieste – Mycotoxins and Acrylamide 2024 Programme

ROUND of JUNE (see previous page too)

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

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

TECHNICAL ASPECTS

The proposed concentrations are indicative, especially for incurred matrix (naturally contaminated) with multiple contamination.

Category	List of molecules	Indicative concentrations
Acrylamide	acrylamide	biscuits: $0,05 < x < 0,5$ ppm chips: $0,05 < x < 2$ ppm

ROUND of OCTOBER (see next page too)

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
Aflatoxin M1	bovine milk ^{LIO}	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 ^s	incurred	F4701	A	55g x 1 Test Material	346,00
				B	55g x 1 Test Material	272,00
partial participations in F4701						
Only for analysis of aflatoxins B/G: F4701/Y			A	55g x 1 Test Material	273,00	
			B	55g x 1 Test Material	209,00	
Only for analysis of ochratoxin A: F4701/O			A	55g x 1 Test Material	273,00	
			B	55g x 1 Test Material	209,00	

Analysis of aflatoxins B/G and ochratoxin A intended to the homogeneity study have been subcontracted. Test Veritas is responsible of subcontracted activities. *Material has been irradiated. The irradiation process has been subcontracted.). ^{LIO} Lyophilized material. Quantity regards the final quantity after reconstitution. Instructions for reconstitution will be delivered with the test material.

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).

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

Progetto Trieste – Mycotoxins and Acrylamide 2024 Programme

ROUND of OCTOBER (see previous page too)

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
DON and T-2 & HT-2	feed ^s	spiked or incurred	F4702	A	55g x 1 Test Material	346,00
				B	55g x 1 Test Material	272,00
partial participations in F4702						
Only for analysis of DON: F4702/D				A	55g x 1 Test Material	273,00
				B	55g x 1 Test Material	209,00
Only for analysis of T-2 & HT-2: F4702/T				A	55g x 1 Test Material	273,00
				B	55g x 1 Test Material	209,00
DON and T-2 & HT-2	wheat ^s	incurred	WH4703	A	55g x 1 Test Material	346,00
				B	55g x 1 Test Material	272,00
partial participations in WH4703						
Only for analysis of DON: WH4703/D				A	55g x 1 Test Material	273,00
				B	55g x 1 Test Material	209,00
Only for analysis of T-2 & HT-2: WH4703/T				A	55g x 1 Test Material	273,00
				B	55g x 1 Test Material	209,00
Ergot alkaloids	wheat	spiked	WH4705	A	55g x 1 Test Material	400,00
Ochratoxin A	green coffee ^s	incurred	GC4603	A	55g x 1 Test Material	273,00
				B	55g x 1 Test Material	209,00
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. ^sMaterial 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).

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
Ochratoxin A	ochratoxin A	coffee: < 8 ppb
DON	deoxynivalenol	feed, wheat: < 6 ppm
T-2 & HT-2	T-2 & HT-2 toxins & as a sum	feed, wheat: < 600 ppb
Ergot Alkaloids	ergocormine, ergocorminine, ergocristine, ergocristinine, alfa+beta ergocriptinine, alfa+beta ergocriptine, ergometrine, ergometrinine, ergosine, ergosinine, ergotamine- total ergot alkaloids	wheat: < 100 ppb

PROFICIENCY TESTING SCHEMES

Proficiency Testing Schemes

PROFICIENCY TESTING SCHEMES >

[CONTROL MATERIALS >](#)

[VALIDATION SERVICE >](#)



Progetto Trieste - Proficiency Testing Schemes for agri-food sector.

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

The main features of Progetto Trieste are:

At www.testveritas.com it is available information about how Progetto Trieste works, advantages, FAQ and examples of Final Report to show elaboration data methods.

Progetto Trieste has a Restricted Web Area for participants at www.testveritas.com

LOGIN

Access to all our services by entering your username and password.

You will be able to:

- Place an order
- Fill out the answer forms.
- View your archive of orders and answers

If you are not subscribed, **subscribe now!** The order will be easier and faster.

USERNAME

PASSWORD

LOGIN

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 ROUND 2014						
ANALYTES	MATRIX	CODE	Q.TY	PRICE (€)	a) CONTACT NAME b) EMAIL	DATA
pesticides	tomato	VF1480	<input type="text"/>	220.00 €	a)contact name b)email	Initial Date: 13/10/2014 Delivered final report: December 2014
		VF1480blank	<input type="text"/>	50.00 €	a)contact name b)email	Initial Date: 13/10/2014 Delivered final report: December 2014
nitrate and nitrite	swine meat	M1481	<input type="text"/>	220.00 €	a)contact name b)email	Initial Date: 13/10/2014 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 b) EMAIL	DATA
tetracyclines and quinolones	eggs	E1410 (A)	<input type="text"/>	360.00 €	a)contact name b)email	Initial Date: 27/03/2014 Delivered final report: June 2014
		E1410 (B)	<input type="text"/>	275.00 €	a)contact name b)email	Initial Date: 27/03/2014 Delivered final report: June 2014
		E1410 (A+B)	<input type="text"/>	600.00 €	a)contact name b)email	Initial Date: 27/03/2014 Delivered final report: June 2014
E1410 partial participation: only tetracyclines	eggs	E1410/T (A)	<input type="text"/>	330.00 €	a)contact name b)email	Initial Date: 27/03/2014 Delivered final report: June 2014
		E1410/T (B)	<input type="text"/>	260.00 €	a)contact name b)email	Initial Date: 27/03/2014 Delivered final report: June 2014
		E1410/T (A+B)	<input type="text"/>	590.00 €	a)contact name b)email	Initial Date: 27/03/2014 Delivered final report: June 2014

General conditions

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 water):	60,00	130,00	Shipping cost for other destinations will be quote on request.
water:	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.

The meaning of the accreditation and the and the details of accredited schemes at 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).

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 CCg (ug/kg)	DETECTION CAPABILITY CCg (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 (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

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 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 (um) (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 (ul) (number with one decimal e.g.:1.1)

UV A (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 (um) (number with one decimal e.g.:1.1)

Chromatographic column If other, specify:

Injection volume (ul) (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 reconstitute

RESPONSE: "POS" = ANALYTE DETECTED - "NEG" = ANALYTE NOT DETECTED

* Please indicate:

- estimated concentration correct with recovery if the compound is not detected;
- "<..." if the compound is detected but not quantified;
- ">..." 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

COMPILATION DATE	IDC 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°r FV	Elena	999	Download Final Report
14/03/2014 12:16:43	ZDYQ36	13/03/2014	M1416(A)	TV - controllo I°r FV	Elena	999	Download Final Report
14/03/2014 12:13:37	GBKFK9	13/03/2014	M1416(B)	TV - controllo I°r FV	Elena	999	Download Final Report
14/03/2014 12:09:49	WHRWK1	13/03/2014	M1416(A)	TV - controllo I°r FV	Elena	999	Download Final Report

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.

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