

Catalogue
2021



Diagnostic Test Kits

Food, Feed, Animal Health and
Environmental Analysis

Diagnostic Test Kits

Catalogue 2021

Food, Feed, Animal Health and Environmental Analysis

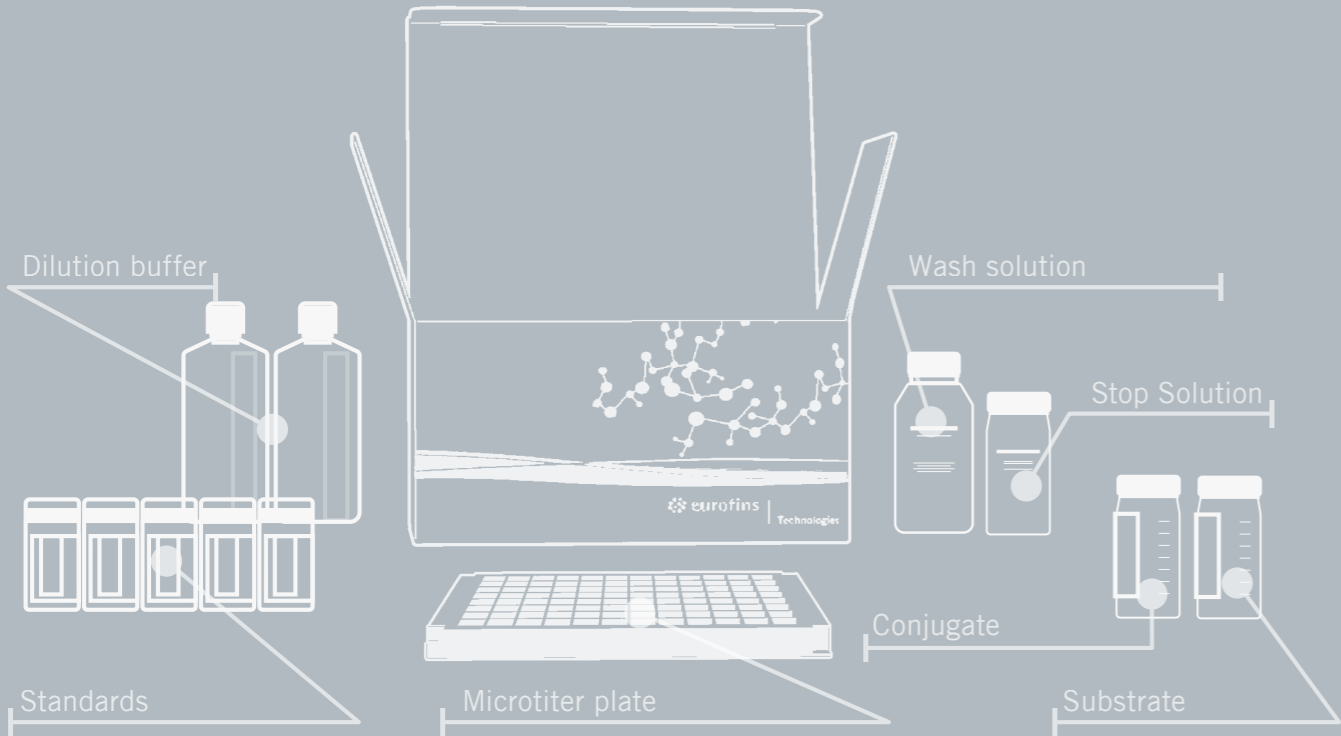


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Product Overview



| Test Kits / Methods | ELISA | Lateral flow | PCR | IAC |
|--------------------------|-------|--------------|-----|-----|
| Food Allergens | • | • | | |
| Vitamin Analysis | • | | | • |
| Foodborne Pathogens | • | | • | |
| Viruses | | | • | |
| GMOs | • | • | • | |
| Mycotoxins | • | • | | • |
| Veterinary Drug Residues | • | • | | |
| Animal Species | | | • | |
| Veterinary Diagnostics | • | • | • | |
| Environmental and Water | • | • | | |

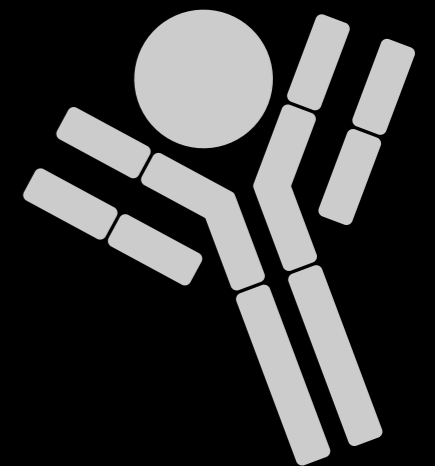
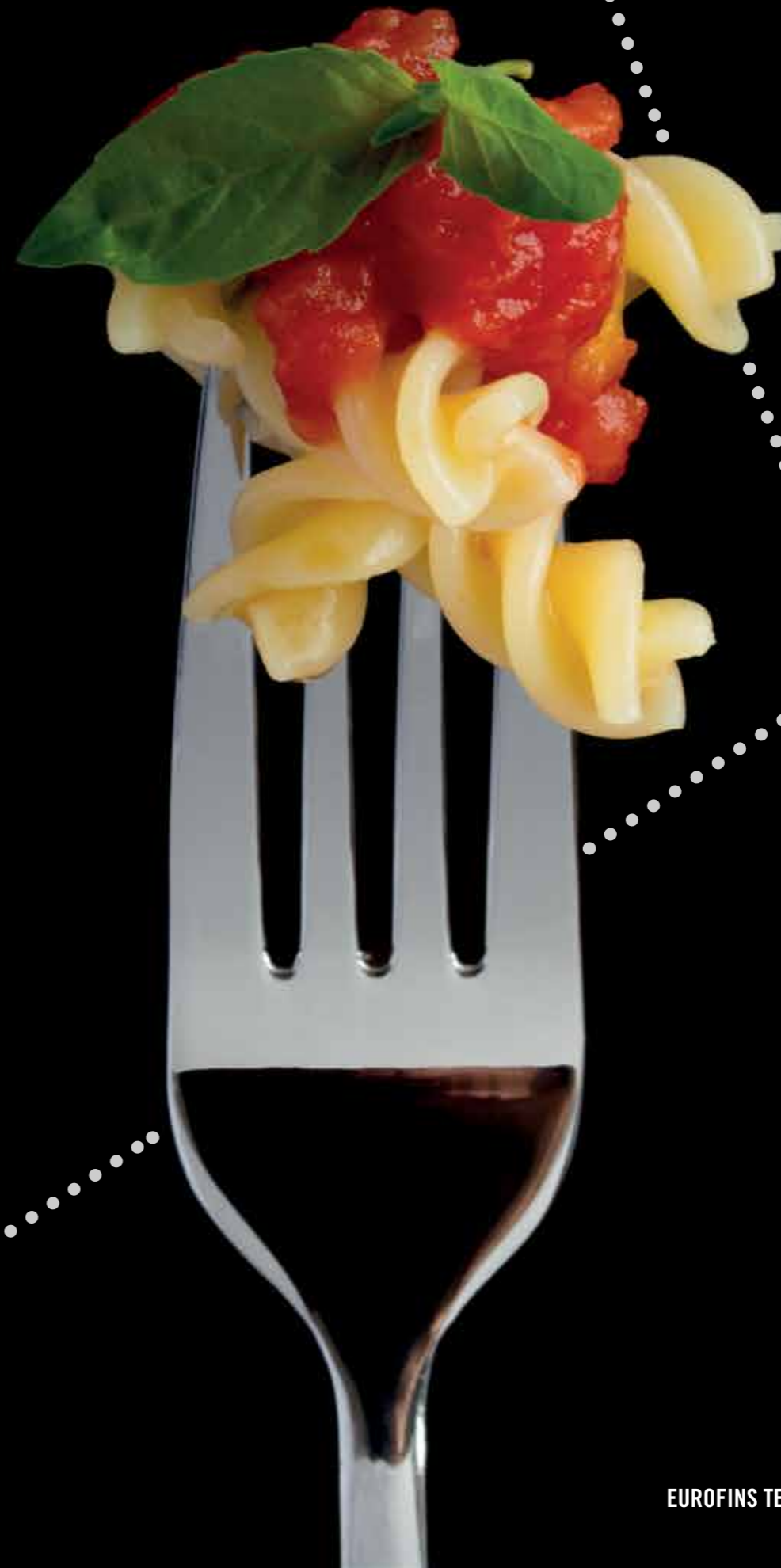
Find the best solution for your in-house testing operations

Rapid testing technologies: a growing market

The on-site testing solutions market has seen significant growth over the past few years, with the global market size estimated to be valued at 2bn USD in 2020. This includes not only food and feed analysis but environmental and clinical samples as well. The growth is attributed to the customers' need for fast and reliable test results as these in-house testing laboratories face mounting pressure to meet new regulatory and customer standards, all the while ensuring quality and the timely release of safe product.

Eurofins Technologies: diagnostic kits, instruments and custom services

Eurofins Technologies is a global provider of fast, reliable, and easy to use diagnostic test kits and instruments in the fields of bioanalytical testing for the food, feed, environmental, biopharma, and clinical industries. The in-house R&D teams have expertise in developing a wide range of innovative methods and applications to meet the testing needs of both research and industry. Our experts at Eurofins Technologies are able to customize programs to serve specific needs with competitive pricing and high quality standards.



Where We Are

Eurofins Technologies Contacts



EUROPE

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ALLERGENS



Food allergens are proteins in food which can trigger allergic, sometimes even life-threatening reactions in sensitized individuals. Even extremely low allergen concentrations are sufficient to cause allergic symptoms. 90% of all food allergies are caused by the following 8 common food categories: milk, eggs, peanuts, fish, shellfish, tree nuts, wheat and soy.

EU directive 2003/89/EC requires food manufacturers to label their products with all ingredients potentially capable of causing allergic reactions. Additionally the directive includes a list of food ingredients classified as being possible allergens or intolerants. Many other countries worldwide have similar legislation requiring food manufacturers to label products potentially containing allergens.

SENSISpec Allergen Detection ELISA Kits

It is critical to ensure that low-level contaminations are not missed during the on-site analysis, resulting in false negative results being released. Reliable and rapid solutions, such as the allergen ELISA kits offered by Eurofins Technologies will improve and simplify in-house testing processes.

Key Benefits of the ELISA Kits

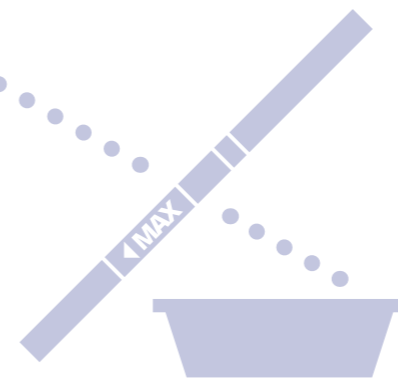
- Quick and sensitive method with low limits of detection
- Quantitative results
- Simple test format
- Comprehensive target portfolio

SENSIStrip Lateral Flow Tests

The lateral flow assays are the perfect tool to control any potential cross-contamination with food allergens, avoiding external analyses and thus considerably reducing the time needed to release a food product batch to the market. With only a few minutes of incubation time, the tests provide a very easy-to-use technique for adequate control at different stages of the food manufacturing process, across food matrices, rinse water and equipment.

Key Benefits of the Lateral Flow Tests

- High sensitivity, low limits of detection
- Semi-quantitative result provided by an evaluation card
- No need of highly qualified end user



SENSISpec Allergen Detection ELISA Kits



| Product | LOD (ppb) | Quantitation range | No. of wells | Article No. |
|---|-----------|--------------------|--------------|-------------|
| SENSISpec ELISA Almond | 200 | 0.4 - 10 ppm | 96 | HU0030001 |
| | | | 48 | HU0030025 |
| SENSISpec ELISA Beta-Lactoglobulin | 1.5 | 10 - 400 ppb | 96 | HU0030002 |
| | | | 48 | HU0030026 |
| SENSISpec ELISA Casein | 40 | 0.2 - 6 ppm | 96 | HU0030003 |
| | | | 48 | HU0030027 |
| SENSISpec ELISA Cashew | 200 | 2 - 60 ppm | 96 | HU0030004 |
| | | | 48 | HU0030028 |
| SENSISpec ELISA Coconut | 400 | 2 - 30 ppm | 96 | HU0030005 |
| | | | 48 | HU0030029 |
| SENSISpec ELISA Crustaceans (Tropomyosin) | 0.9 | 20 - 400 ppb | 96 | HU0030006 |
| | | | 48 | HU0030030 |
| SENSISpec ELISA Egg White | 50 | 0.4 - 10 ppm | 96 | HU0030007 |
| | | | 48 | HU0030031 |
| SENSISpec ELISA Fish (Parvalbumin) | 1400 | 4 - 100 ppm | 96 | HU0030008 |
| | | | 48 | HU0030032 |
| SENSISpec ELISA Gliadin/Gluten | 300 | 2 - 60 ppm | 96 | HU0030009 |
| | | | 48 | HU0030033 |
| SENSISpec ELISA Hazelnut | 300 | 1 - 40 ppm | 96 | HU0030010 |
| | | | 48 | HU0030034 |
| SENSISpec ELISA Lupin | 200 | 2 - 30 ppm | 96 | HU0030011 |
| | | | 48 | HU0030035 |
| SENSISpec ELISA Lysozyme | 2 | 25 - 250 ppb | 96 | HU0030012 |
| | | | 48 | HU0030036 |
| SENSISpec ELISA Macadamia nut | 100 | 1 - 40 ppm | 96 | HU0030013 |
| | | | 48 | HU0030037 |
| SENSISpec ELISA Milk | 50 | 0.4 - 10 ppm | 96 | HU0030014 |
| | | | 48 | HU0030038 |
| SENSISpec ELISA Molluscs (Tropomyosin) | 1.7 | 10 - 400 ppb | 96 | HU0030015 |
| | | | 48 | HU0030039 |
| SENSISpec ELISA Mustard | 1000 | 2 - 60 ppm | 96 | HU0030016 |
| | | | 48 | HU0030040 |
| SENSISpec ELISA Ovalbumin | 4 | 25 - 500 ppb | 96 | HU0030017 |
| | | | 48 | HU0030041 |
| SENSISpec ELISA Brazil nut | 200 | 1 - 40 ppm | 96 | HU0030018 |
| | | | 48 | HU0030042 |
| SENSISpec ELISA Peanut | 100 | 1 - 40 ppm | 96 | HU0030019 |
| | | | 48 | HU0030043 |
| SENSISpec ELISA Pecan nut | 200 | 2 - 60 ppm | 96 | HU0030020 |
| | | | 48 | HU0030044 |
| SENSISpec ELISA Pistachio | 130 | 1 - 40 ppm | 96 | HU0030021 |
| | | | 48 | HU0030045 |
| SENSISpec ELISA Sesame | 200 | 2 - 30 ppm | 96 | HU0030022 |
| | | | 48 | HU0030046 |
| SENSISpec ELISA Soy | 16 | 40 - 1000 ppb | 96 | HU0030023 |
| | | | 48 | HU0030047 |
| SENSISpec ELISA Total Soy | 200 | 2 - 36 ppb | 96 | HU0030075 |
| | | | 48 | HU0030076 |
| SENSISpec ELISA Walnut | 350 | 2 - 60 ppm | 96 | HU0030024 |
| | | | 48 | HU0030048 |

Supplementary Products

| Product | Quantity | Article No. |
|--|--------------|------------------------|
| SENSISpec Wash Buffer | 60 ml | HU0030074 |
| SENSISpec Extraction Additive | 100 g | HU0030100 |
| SENSISpec Ingezim Gluten Extraction Additive | 110 mL / 1 L | HU0030105 HU0030103 |

SENSISpec Gluten Detection ELISA Kits



| Product | LOD (ppb) | Quantitation range | No. of wells | Article No. |
|--|-----------|--------------------|--------------|-------------|
| SENSISpec INgezim Gluten R5 - AOAC certified | 3000 | 3-200 ppm | 96 | 30.GLU.K.2. |
| SENSISpec INgezim Gluten Quick | 3000 | 3-200 ppm | 96 | 30.GL2.K.2. |
| SENSISpec INgezim Hydrolyzed Gluten | 250 | 0.25-200 ppm | 48 | 30.GLH.K.2. |
| SENSISpec INgezim Gluten Semi Q | 10000 | 10-800 ppm | 32 | 30.GSQ.K.2. |

SENSISpec Allergen Spike Solutions



| Product | Product description | Concentration | Article No. |
|--|--|---------------|-------------|
| SENSISpec Spike Solution Almond | For spiking experiments in combination with the SENSISpec Almond ELISA kit. | 1000 ppm | HU0030049 |
| SENSISpec Spike Solution Beta-Lactoglobulin | For spiking experiments in combination with the SENSISpec Beta-Lactoglobulin ELISA kit. | 10 ppm | HU0030050 |
| SENSISpec Spike Solution Casein | For spiking experiments in combination with the SENSISpec Casein ELISA kit. | 1000 ppm | HU0030051 |
| SENSISpec Spike Solution Cashew | For spiking experiments in combination with the SENSISpec Cashew ELISA kit. | 1000 ppm | HU0030052 |
| SENSISpec Spike Solution Coconut | For spiking experiments in combination with the SENSISpec Coconut ELISA kit. | 1000 ppm | HU0030054 |
| SENSISpec Spike Solution Tropomyosin (Crustaceans) | For spiking experiments in combination with the SENSISpec Tropomyosin (Crustaceans) ELISA kit. | 10 ppm | HU0030055 |
| SENSISpec Spike Solution Egg White | For spiking experiments in combination with the SENSISpec Egg White ELISA kit. | 1000 ppm | HU0030056 |
| SENSISpec Spike Solution Fish (Cod) | For spiking experiments in combination with the SENSISpec Fish (Cod) ELISA kit. | 1000 ppm | HU0030057 |
| SENSISpec Spike Solution Gliadin | For spiking experiments in combination with the SENSISpec Gliadin ELISA kit. | 25000 ppm | HU0030058 |
| SENSISpec Spike Solution Hazelnut | For spiking experiments in combination with the SENSISpec Hazelnut ELISA kit. | 1000 ppm | HU0030059 |
| SENSISpec Spike Solution Lupin | For spiking experiments in combination with the SENSISpec Lupin ELISA kit. | 1000 ppm | HU0030060 |
| SENSISpec Spike Solution Lysozyme | For spiking experiments in combination with the SENSISpec Lysozyme ELISA kit. | 10 ppm | HU0030061 |
| SENSISpec Spike Solution Macadamia nut | For spiking experiments in combination with the SENSISpec Macadamia nut ELISA kit. | 1000 ppm | HU0030062 |
| SENSISpec Spike Solution Milk | For spiking experiments in combination with the SENSISpec Milk ELISA kit. | 1000 ppm | HU0030063 |
| SENSISpec Spike Solution Tropomyosin (Molluscs) | For spiking experiments in combination with the SENSISpec Tropomyosin (Molluscs) ELISA kit. | 10 ppm | HU0030064 |
| SENSISpec Spike Solution Mustard | For spiking experiments in combination with the SENSISpec Mustard ELISA kit. | 1000 ppm | HU0030065 |
| SENSISpec Spike Solution Ovalbumin | For spiking experiments in combination with the SENSISpec Ovalbumin ELISA kit. | 10 ppm | HU0030066 |
| SENSISpec Spike Solution Brazil nut | For spiking experiments in combination with the SENSISpec Brazil nut ELISA kit. | 1000 ppm | HU0030067 |
| SENSISpec Spike Solution Peanut | For spiking experiments in combination with the SENSISpec Peanut ELISA kit. | 1000 ppm | HU0030068 |
| SENSISpec Spike Solution Pecan nut | For spiking experiments in combination with the SENSISpec Pecan nut ELISA kit. | 1000 ppm | HU0030069 |
| SENSISpec Spike Solution Pistachio | For spiking experiments in combination with the SENSISpec Pistachio ELISA kit. | 1000 ppm | HU0030070 |
| SENSISpec Spike Solution Sesame | For spiking experiments in combination with the SENSISpec Sesame ELISA kit. | 1000 ppm | HU0030071 |
| SENSISpec Spike Solution Soy Trypsin Inhibitor | For spiking experiments in combination with the SENSISpec Soy Trypsin ELISA kit. | 10 ppm | HU0030072 |
| SENSISpec Spike Solution Total Soy | For spiking experiments in combination with the SENSISpec Total Soy ELISA kit. | 1000 ppm | HU0030077 |
| SENSISpec Spike Solution Walnut | For spiking experiments in combination with the SENSISpec Walnut ELISA kit. | 1000 ppm | HU0030073 |

SENSIStrip Lateral Flow Tests



| Product | LOD Food matrix | LOD ($\mu\text{g}/\text{cm}^2$) Surface | No. of tests | Article No. |
|--|-----------------|---|--------------|-------------|
| SENSIStrip Almond NEW! | 2.5 ppm | 0.07 | 20 | HU0030110 |
| SENSIStrip Casein | 20 ppm | 2 | 20 | HU0030091 |
| SENSIStrip Crustaceans (Tropomyosin) NEW! | 25 ppb | 0.2 | 20 | HU0030115 |
| SENSIStrip Egg | 1 ppm | 0.2 | 20 | HU0030093 |
| SENSIStrip Fish | 1 ppm | 0.2 | 20 | HU0030094 |
| SENSIStrip Mustard NEW! | 2.5 ppm | 0.07 | 20 | HU0030125 |
| SENSIStrip Peanut NEW! | 2.5 ppm | 0.2 | 20 | HU0030128 |
| SENSIStrip Soy | 10 ppm | 2 | 20 | HU0030096 |
| SENSIStrip Gluten | 2 ppm | 2 | 20 | HU0030097 |

| Product | LOD (ppm) Finished product | LOD ($\mu\text{g}/\text{cm}^2$) Surface | No. of tests | Article No. |
|------------------------------------|----------------------------|---|--------------|-------------|
| SENSIStrip INgezim Total Milk CROM | 2,5 | 0.125 $\mu\text{g}/\text{swap}$ | 25 | 30.MLK.K42 |
| SENSIStrip INgezim BLG CROM | 2.5 | 0.25 $\mu\text{g}/\text{swap}$ | 25 | 30.BLG.K.42 |
| SENSIStrip INgezim Casein CROM | 2.5 | 0.25 $\mu\text{g}/\text{swap}$ | 25 | 30.CAS.K.42 |
| SENSIStrip INgezim Ovo CROM | 2.5 | 0.125 $\mu\text{g}/\text{swap}$ | 25 | 30.OVO.K.42 |

SENSISwab Swabbing Solution **NEW!**

| Product | Product description | No. of swabs | Article No. |
|---------------|--|--------------|-------------|
| SENSISwab kit | 10 ml Swabbing solution, 5 Swabs, 5 Sample tubes | 5 | HU0030101 |
| | 10x5: multipack of 10 Swab kits | 50 | HU0030102 |



VITAMIN ANALYSIS



Vitamins are essential nutrients for the growth, development, and maintenance of cells, tissues, and organs. Vitamins are classified as either water-soluble or fat-soluble. For humans, there are 13 vitamins: 4 fat-soluble (A, D, E, and K) and 9 water-soluble (8 B vitamins and vitamin C). These nutrients are typically obtained through the consumption of food or dietary supplements, which are subject to vitamin testing in order to meet specific labeling requirements.

Eurofins Technologies offers ELISA kits and immunoaffinity columns (IAC) for the detection and purification of the following vitamins: Biotin (Vitamin H or Vitamin B7), Folic acid and Vitamin B12.

SENSISpec ELISA Vitamin Kits



| Product name | LOD (ppb) | Quantitation range | No. of wells | Article No. |
|-------------------------------------|-----------------------------------|--------------------|--------------|-------------|
| SENSISpec ELISA Vitamin B12 | Depends on the sample preparation | 0,4-40 ng/ml | 96 | HU0030400 |
| SENSISpec ELISA Biotin (Vitamin B7) | Depends on the sample preparation | 1-25 ng/ml | 96 | HU0030401 |
| SENSISpec ELISA Folic Acid | Depends on the sample preparation | 4-400 ng/ml | 96 | HU0030402 |

SENSIColumn Vitamin Immunoaffinity Columns



| Product name | Product description | Quantity | Article No. |
|------------------------------|---|-------------------|-------------|
| SENSIColumn IAC Biotin* | Determination of Biotin in vitamin tablets, liquid vitamin preparations, cell culture extracts etc. | 3 ml x 50 columns | EFSA3175 |
| SENSIColumn IAC Vitamin B12 | Determination of Vitamin-B12 (Cyanocobalamin) in vitamin tablets, liquid vitamin preparations, cell culture extracts etc. | 3 ml x 50 columns | BTCA3185 |
| SENSIColumn IAC Folic Acid | Determination of folic acid in vitamin tablets, liquid vitamin preparations, cell culture extracts etc. | 3 ml x 50 columns | BTFS3195 |
| *FITC-streptavidin-conjugate | Conjugate | 1 mg x 25 vials | FITC-SA-Kon |

FOOD PATHOGENS



To prevent the spread of foodborne pathogens, rapid and reliable monitoring of food production, storage and trade is essential.

Classical cultural methods for bacteria are time-intensive and laborious. The use of rapid molecular methods is becoming increasingly important for microbiological laboratories. Reliable and particularly sensitive, real-time PCR is an important method in modern food analysis and delivers substantially faster results than the classical detection methods.

In addition to real-time PCR, ELISA (Enzyme Linked Immunosorbent Assay) assays continue to play an important role in food pathogen detection. ELISA kits are characterized by their fast turnaround time, ease of use, and relatively small footprint in the laboratory.

Eurofins GeneScan Technologies Kits

Eurofins GeneScan Technologies PCR and ELISA kits for the detection of food pathogens offer laboratories fast and reliable results. With their flexible design, they are well suited for both high and low volume laboratories.

Most Eurofins GeneScan Technologies kits maintain certifications from internationally recognized organizations (AFNOR and/or AOAC).

BACGene Real-Time PCR Kits

BACGene kits contain all reagents and consumables for lysis and real-time PCR. Protocols and kit components are simple and easy to use.

A unique multiplex assay for the detection of *Listeria monocytogenes* and *Listeria* species in parallel provides higher flexibility and more meaningful results. This 2-in-1 PCR assay increases the efficiency of microbiological laboratories.

Key Benefits of the BACGene Kits

- Fast analysis time
- Single enrichment step (sub-sampling for cocoa matrices)
- Simple thermal lysis protocol
- Ready-to-use MasterMix
- Internal positive controls
- Open platform: validated and certified for Agilent AriaMx™ and Bio-Rad CFX96™

BACSpec ELISA Kits

BACSpec ELISA kits are designed for fast, convenient and sensitive detection of foodborne pathogens. Compared with conventional methods, which can take several days, results are available in less than two days. BACSpec ELISA kits seamlessly integrate with fully automated laboratory solutions, which already exist in many laboratories.

Key Benefits of the BACSpec Kits

- Rapid detection
- More convenient than conventional methods
- Simple evaluation
- Basic equipment requirement: microplate reader, incubator
- Also appropriate for automated ELISA robots

BACGene Real-Time PCR Kits



| Product | Product description | No. of reactions | Article No. |
|---------------------------------------|--|---------------------------|--|
| BACGene <i>E.coli</i> O157:H7 | Kit for 96 or 10x96 lysis and real-time PCR reactions for detection of <i>E. coli</i> O157:H7. AOAC-PTM (#22002), NF VALIDATION (EGS 38/06-11/19) | 96 10 x 96 | 5123222701 5123222711 |
| BACGene Mplex STEC Screen | Detection and identification of STEC virulence genes stx1, stx2 and eae. AOAC-PTM (#22003) | 96 10 x 96 | 5123223001 5123223011 |
| BACGene Mplex STEC SEROtype1 | Kit for 48 lysis and real-time PCR reactions for detection of three of the Top6 STEC serogroups. (O111, O103, O26) AOAC-PTM (#22003) | 48 | 5123223101 |
| BACGene Mplex STEC SEROtype2 | Kit for 48 lysis and real-time PCR reactions for detection of three of the Top6 STEC serogroups. (O145, O121, O45) AOAC-PTM (#22003) | 48 | 5123223201 |
| BACGene <i>Salmonella</i> spp. | Kit for 96 or 10x96 lysis and real-time PCR reactions for <i>Salmonella</i> spp. detection. AOAC-PTM (#121501), NF VALIDATION (EGS 38/01-03/15) | 96 10 x HTP 10 x 96 | 5123221801 5123221810 5123221811 |
| BACGene <i>Salmonella</i> Tranoroa | Detection of serovar <i>Salmonella enterica</i> subsp. <i>salamae</i> serovar Tranoroa. Increased control over cross contamination due to UNG digestion in the PCR Workflow. For use with Agilent AriaMx and Bio-Rad CFX96 (Standard and Deep Well). | 48 | 5123222801 |
| BACGene <i>Listeria</i> Multiplex | Kit for 96 lysis and real-time PCR reactions for multiplex detection of <i>Listeria monocytogenes</i> and <i>Listeria</i> spp. AOAC-PTM (#061701), NF VALIDATION (EGS 38/05-03/17) | 96 10 x HTP 10 x 96 | 5123221901 5123221910 5123221911 |
| BACGene <i>Listeria monocytogenes</i> | Kit for 96 lysis and real-time PCR reactions for detection of <i>Listeria monocytogenes</i> . AOAC-PTM (#061703), NF VALIDATION (EGS 38/03-01/17) | 96 10 x HTP 10 x 96 | 5123222001 5123222010 5123222011 |
| BACGene <i>Listeria</i> spp. | Kit for 96 lysis and real-time PCR reactions for detection of <i>Listeria</i> spp. AOAC-PTM (#061702), NF VALIDATION (EGS 38/02-01/17) | 96 10 x HTP 10 x 96 | 5123222101 5123222110 5123222111 |

Waterborne Bacterial Pathogens: Real-time PCR Kits

| Product | Product description | No. of reactions | Article No. |
|-------------------------------------|---|------------------|-------------|
| BACGene <i>Legionella</i> Multiplex | Kit for 96 lysis and real-time PCR reactions for multiplex confirmation and identification of <i>Legionella</i> spp., <i>Legionella pneumophila</i> & <i>Legionella pneumophila</i> subsp. <i>pneumophila</i> SG1 colonies. | 96 | 5123222601 |

Other Kits

| Product | Product description | No. of reactions | Article No. |
|------------------|--|-----------------------|--------------------------|
| PREraser BACGene | PREraser DNA BACGene, 2 x 48 reactions for elimination of free DNA from pathogen enrichments. All reagents and lysis plate included. | 2 x 48 10 x 2 x 48 | 5123222301 5123222311 |

BACGene Accessory items



| Product | Quantity | Article No. |
|---|--------------------|-------------|
| MicroAmp Cap Installing Tool for use with BACGene kits for PCR or for lysis | | 5613900401 |
| Domed caps for Lysis Plate (DNA extraction), 300 x 8 cap strips | 300 x 8 cap strips | 5613900301 |
| Lysis plate, for sample preparation, rippable, 1 bag with 5 plates | 5 plates | 5613901905 |
| Lysis plate, for sample preparation, rippable, 1 box with 25 plates | 25 plates | 5613901925 |
| Yellow PCR Support Grids, pack with 8 grids | 8 grids | 5617702208 |
| Blue PCR Support Grids, pack with 8 Grids | 8 grids | 5617702209 |
| Optical caps, for use with PCR plate, 1 bag with 120 strips | 120 strips | 5627710010 |
| PCR plate, rippable, 1 bag with 5 plates | 5 plates | 5617700905 |
| PCR plate, rippable, 1 box with 25 plates | 25 plates | 5617700925 |
| Blue cooling block 96 well for lysis | 96 well | 5613900501 |
| PCR rack – yellow, 1x96, lid included | 1 x 96 | 5613901301 |
| Lysis rack – blue, 1x96, lid included | 1 x 96 | 5613901401 |

Enrichment Media for BACGene*

| Product | Quantity | Article No. |
|--|--------------|-------------|
| Actero™ <i>Listeria</i> Enrichment Media | 500 g bottle | 5613902001 |
| Actero™ <i>Listeria</i> Enrichment Media | 2 kg | 5613902002 |
| Actero™ <i>Listeria</i> Enrichment Media | 10 kg | 5613902010 |

*EU only



BACSpec ELISA Kits

| Product | Product description | No. of wells | Article No. |
|-----------------------------|--|--------------|--------------------------|
| BACSpec <i>Listeria</i> | ELISA test kit for qualitative detection of <i>Listeria</i> AOAC-PTM (#051703), NF VALIDATION (EGS 38/04-01/17) | 96 5 x 96 | 4323410201 4323410205 |
| BACSpec <i>Salmonella</i> 2 | ELISA test kit for qualitative detection of <i>Salmonella</i> spp. AOAC-PTM (#111903), NF VALIDATION (EGS 38/07-12/20) | 96 5 x 96 | 4323410301 4323410305 |

O157 and non-O157 STEC Detection

Whether your needs are food safety, compliance, quality assurance, or research, Eurofins Abraxis' *E. coli* test kits and antibodies provide an extended offering of affordable test solutions for numerous formats such as ELISA, western blot, lateral flow, agglutination, immunoseparation, flow cytometry, and immunofluorescence.

| Product | Product Format | Quantity | Article No. |
|------------------------|---------------------|-----------|-------------|
| <i>E. coli</i> O26 | Latex Agglutination | 50 tests | 541000 |
| <i>E. coli</i> O45 | Latex Agglutination | 50 tests | 541010 |
| <i>E. coli</i> O103 | Latex Agglutination | 50 tests | 541020 |
| <i>E. coli</i> O104:H4 | Latex Agglutination | 50 tests | 541060 |
| <i>E. coli</i> O111 | Latex Agglutination | 50 tests | 541030 |
| <i>E. coli</i> O121 | Latex Agglutination | 50 tests | 541040 |
| <i>E. coli</i> O145 | Latex Agglutination | 50 tests | 541050 |
| <i>E. coli</i> O157:H7 | Latex Agglutination | 50 tests | 541070 |
| <i>E. coli</i> O157:H7 | Latex Agglutination | 100 tests | 54107C |

IMS Beads for the use with BACGene *E.coli* STEC Solution

| Product | Product Format | Quantity | Article No. |
|------------------------|----------------------|----------|-------------|
| <i>E. coli</i> O26 | Immunomagnetic Beads | 2 ml | 5623723601 |
| <i>E. coli</i> O45 | Immunomagnetic Beads | 2 ml | 5623723501 |
| <i>E. coli</i> O103 | Immunomagnetic Beads | 2 ml | 5623723401 |
| <i>E. coli</i> O111 | Immunomagnetic Beads | 2 ml | 5623723301 |
| <i>E. coli</i> O121 | Immunomagnetic Beads | 2 ml | 5623723201 |
| <i>E. coli</i> O145 | Immunomagnetic Beads | 2 ml | 5623723101 |
| <i>E. coli</i> O157:H7 | Immunomagnetic Beads | 2 ml | 5623723001 |

Shiga Toxins

| Product | Product format | Quantity | Article No. |
|-----------------------|----------------|----------|-------------|
| Shiga Toxin 1 (STX 1) | ELISA Plate | 96 tests | 542000 |
| Shiga Toxin 2 (STX 2) | ELISA Plate | 96 tests | 542010 |

FOODBORNE VIRUSES



Due to a large number of viral food-related outbreaks, the detection of viruses in food is an important issue in food safety. Oftentimes even low concentrations of a virus can lead to severe health consequences, such as gastrointestinal or liver infections.

The VIRSeek Solution offers an all-inclusive, ISO-compliant workflow from the RNA extraction to the specific detection of norovirus genogroups I, norovirus genogroups II and hepatitis A virus. In addition the process control murine norovirus (MNV) ensures the correct extraction procedure and detection of the viruses throughout.

Each of the VIRSeek Solution kits can be used individually or as part of the comprehensive workflow.

VIRSeek Solution (Viral Foodborne Pathogen Detection)

VIRSeek Qualitative Real-Time RT PCR

| Product | Product description | No. of reactions | Article No. |
|---|---|------------------|-------------|
| VIRSeek Food Hepatitis A Virus (HAV) | Real-time RT-PCR rapid detection of Hepatitis A virus (HAV) in food samples. Validated for AriaMx and CFX96 Touch (Standard and Deep Well). | 48 | 5728200101 |
| VIRSeek Food Norovirus Genogroup I (NoVGI) | Real-time RT-PCR rapid detection of Norovirus Genogroup I (NoVGI) in food samples. Validated for AriaMx and CFX96 Touch (Standard and Deep Well). | 48 | 5728200201 |
| VIRSeek Food Norovirus Genogroup II (NoVGII) | Real-time RT-PCR rapid detection of Norovirus Genogroup II (NoVGII) in food samples. Validated for AriaMx and CFX96 Touch (Standard and Deep Well). | 48 | 5728200301 |
| VIRSeek Food Hepatitis E Virus (HEV) | Real-time RT-PCR kit for rapid detection of Hepatitis E virus (HEV) in food samples. Validated for AriaMx and CFX96 Touch (Standard and Deep Well). | 48 | 5728200501 |
| VIRSeek Murine Norovirus (MNV) Real-time RT-PCR | Real-time RT-PCR kit for rapid detection of Murine Norovirus (MNV). Virus/Positive Control not included. Validated for AriaMx and CFX96 Touch (Standard and Deep Well). | 48 | 5728200801 |
| VIRSeek Murine Norovirus (MNV) Process Control | Real-time RT-PCR kit for rapid detection of Murine Norovirus (MNV)/ Process Control Virus. Validated for AriaMx and CFX96 Touch (Standard and Deep Well). | 48 | 5728200401 |

VIRSeek RNA Extraction

| Product | Product description | No. of reactions | Article No. |
|---------------------------|--|--|-------------|
| VIRSeek RNAExtractor Food | Extraction of viral RNA via silica-coated magnetic beads from different food products (incl. soft fruit, leaf, stem and bulb vegetables, bottled water and bivalve molluscan shellfish). | 48 x 500 µL or 96 x 250 µL sample input volume | 5524400101 |

VIRSeek Food Process Control

| Product | Product description | No. of reactions | Article No. |
|---|--|------------------|-------------|
| VIRSeek Food Murine Norovirus (MNV) Process Control | Detection of Murine Norovirus (MNV)/ Process Control Virus in food samples. Validated for AriaMx and CFX96 Touch (Standard and Deep Well). | 48 | 5728200401 |

SARS-CoV-2 VIRUS



In the current coronavirus outbreak, companies and health authorities seek for solutions to monitor the presence of SARS-CoV-2 in their environments.

Recent research has shown that virus contamination of environmental surfaces may potentially lead to viral transfer and therefore an acceleration of outbreaks. The *VIRSeek* SARS-CoV-2 Solution includes all required material for surface sampling and ensures effective uptake of the virus from various surfaces.

VIRSeek SARS-CoV-2 Solution: an AOAC PTM accredited workflow

Within the *VIRSeek* SARS-CoV-2 workflow, the efficient removal of the virus from the swab and automated isolation of high quality RNA is guaranteed by the *VIRSeek* RNAExtractor AE1. Following RNA extraction, the lysates are analysed with the *VIRSeek* SARS-CoV-2 Mplex real-time RT-PCR kit. The kit is highly specific for the two regions N1/N2 on the SARS-CoV-2 N-gene, ensuring reliable results with a two target approach.

The solution can be used on different surfaces like plastic, stainless steel or cardboard and includes all reagents to ensure highest reliability. The evaluation of the results is facilitated by the FastFinder software, which uses advanced machine learning techniques for an automated and reliable analysis.

The *VIRSeek* SARS-CoV-2 solution is a comprehensive workflow certified by the AOAC Research Institute under the Performance Tested MethodsSM (PTM) program for the detection of SARS-CoV-2 from environmental surfaces, including four main steps:

- Swabbing of environmental surfaces: *VIRSeek* PATHOSwab 50
- RNA Extraction: *VIRSeek* RNAExtractor AE1
- RT-PCR: *VIRSeek* SARS-CoV-2 Mplex
- Automated evaluation: FastFinder Software

VIRSeek SARS-CoV-2 Solution Kits

| Product name | Product description | Quantity | Article No. |
|--|---|--------------|-------------|
| <i>VIRSeek</i> PATHOSwab 50 | Kit for 50 virus sample acquisitions. All items/reagents provided. | 50 swabs | 5728200901 |
| <i>VIRSeek</i> RNAExtractor | <i>VIRSeek</i> RNAExtractor of the extraction of viral RNA for 96 x 250 µL | 96 reactions | 5524400101 |
| <i>VIRSeek</i> SARS-CoV-2 Mplex Real-time RT-PCR Kit | Real-time RT-PCR kit with 96 reactions for rapid SARS-CoV-2 N1 and N2 (N-gene) detection from environmental and food surface samples. | 96 reactions | 5728201101 |
| <i>VIRType</i> SARS-CoV-2 Mplex (N501Y, A570D)* | Real-time RT-PCR multiplex kit for rapid detection of SARS-CoV-2 variant detection carrying N501Y, A570D mutation in the spike-gen region from environmental & food surfaces including wastewater. Includes a positive PCR control. Validated for Agilent AriaMx and Bio-Rad CFX96 touch. For research use only. | 48 reactions | 5728401301 |
| NGSeq ARTIC SARS-CoV-2* | Kit for reverse transcription of total sample RNA into cDNA followed by selective, enriching PCR-based amplification of the full SARS-CoV-2 genome using ARTIC primers, that consist of over 200 primer pairs, covering the entire SARS-CoV-2 viral genome (29.9kb). Applicable for several NGS platforms. For research use only! | 96 reactions | 5728420001 |

* The kits are not part of the AOAC certified *VIRSeek* SARS-CoV-2 Solution.



MYCOTOXINS

The term “mycotoxin” identifies a family of toxic secondary metabolites produced by moulds. Hundreds of mycotoxins exist in nature, however only a select few are relevant to the agro-food industry: aflatoxins, deoxynivalenol, fumonisins, ochratoxin, T-2 and HT-2 toxins and zearalenone.

Animals consuming feed contaminated with mycotoxins not only suffer but trigger a domino-effect resulting in great economic losses across the whole livestock industry and putting further risk to human health upon consumption of contaminated foods of animal origin, like milk. These compounds have reportedly been associated with various human and animal diseases and they are a well-established threat to grains and other commodities.

Mycotoxins concern not only in grains, coffee, cocoa, wine and spices, but are also a relevant to the dairy industry, in particular for the presence of aflatoxin M₁. Furthermore, concern has been growing since new toxins and isoforms, namely masked mycotoxins, were discovered in recent years.

Eurofins Technologies Mycotoxin Kits

Eurofins Technologies provides different product lines to suit all needs for the reliable and effective mycotoxins analysis in cereals, feed, wine, coffee, spices as well as its internationally renowned ELISA kits for aflatoxin M₁ in milk and dairy products.

Screening Tools

- *B ZERO*[®]: ELISA test kits for low analytical volumes, no calibration curve; results in less than 30 min
- *Celer*[®]: fast ELISA test kits for rapid screening
All *Celer*[®] assays are validated on The Bolt™ automated ELISA system.
- *I' Screen*: accurate, precise, high sensitive ELISA test kits with low detection limits

Analytes

- Aflatoxin M₁
- Total B and G aflatoxins
- Aflatoxin B₁
- Deoxynivalenol
- Fumonisins
- Ochratoxin A
- T-2 and HT-2 toxins
- Zearalenone

Eurofins Technologies Immunoaffinity Columns

An extensive portfolio of mycotoxin immunoaffinity columns is available for the majority of regulated mycotoxins. The *SENSIColumn* IACs are simple and reliable sample purification solutions.

Key Benefits of the *SENSIColumn* Immunoaffinity Columns

- Excellent flow behaviour
- Extremely robust
- Easy enrichment guaranteed
- Highly specific purification with monoclonal antibodies
- Availability of specific columns and “combi” columns for mycotoxins groups
- Wide range of application for various matrices
- Multi-analyte IACs for LC-MS/MS application
- Long shelf-life
- Fast (15-30 mins)

B ZERO® Quantitative ELISA Test Kits



| Product | Target | Product description | No. of wells | Article No. |
|---------------------|---------------------|---|--------------|-------------|
| B ZERO® AFLA B1 | Aflatoxin B1 | Methanol-based assay for the specific detection of aflatoxin B1 in corn, sorghum, high moisture corn, silage and mash, feed, hazelnuts, pistachios, peanuts, almonds, raisins, figs, DDGS, cottonseed, soy, soybean meal. | 96 | HU0040005 |
| | | | 48 | HU0040025 |
| B ZERO® AFLA M1 500 | Aflatoxin M1 | Fast assay for the quantitative detection of aflatoxin M1 in milk according to the Codex Alimentarius Regulation (FDA action limit) | 96 | HU0040091 |
| B ZERO® AFLA M1 | Aflatoxin M1 | Sensitive assay for the quantitative research of aflatoxin M1 in milk and dairy products with compliant sensitivity to EU regulation. | 192 | HU0040043 |
| | | | 96 | HU0040003 |
| B ZERO® DON v2 | Deoxynivalenol | Methanol-based assay for the detection of deoxynivalenol in cereals, feed, DDGS with shared sample preparation with other B ZERO assays | 48 | HU0040028 |
| | | | 96 | HU0040008 |
| B ZERO® ZEA | Zearalenone | Methanol-based assay for the detection of zearalenone in cereals, feed and DDGS | 48 | HU0040027 |
| B ZERO® FUMO | Fumonisin | Methanol-based assay for the detection of fumonisins in maize and feed. | 48 | HU0040034 |
| B ZERO® OCHRA | Ochratoxin | Methanol-based assay for the detection of ochratoxin in cereals | 48 | HU0040035 |
| | | | 24 | HU0040095 |
| B ZERO® T2 | T-2 and HT-2 toxins | Methanol-based assay for the detection of both T-2 and HT-2 metabolite in cereals and feed | 48 | HU0040036 |
| | | | 24 | HU0040096 |

| Product | Target | Product description | No. of wells | Article No. |
|---------------|----------------|---|--------------|-------------|
| B ZERO® H2DON | Deoxynivalenol | ELISA test kits for the quantitative detection of deoxynivalenol (vomitorin) without standard curve | 48 | HU0040038 |
| | | | 96 | HU0040018 |

Celer® Quantitative ELISA Test Kits



| Product | Target | Product description | No. of wells | Article No. |
|--------------------|---------------------|---|--------------|-------------|
| Celer® AFLA B1 | Aflatoxin B1 | Methanol-based assay for the specific detection of aflatoxin B1 in corn, sorghum, high moisture corn, silage and mash, feed, hazelnuts, pistachios, peanuts, almonds, raisins, figs, DDGS, cottonseed, soy, soybean meal. | 96 | HU0040004 |
| | | | 192 | HU0040044 |
| Celer® AFLA | Aflatoxins | Methanol-based assay for the detection of total aflatoxins in cereals, corn germ, feed, cottonseed, nuts, dried fruits, paprika, chilli, ginger. | 48 | HU0040031 |
| | | | 96 | HU0040011 |
| | | | 192 | HU0040051 |
| Celer® AFLA M1 500 | Aflatoxin M1 | Fast assay for the quantitative detection of aflatoxin M1 in milk according to the Codex Alimentarius Regulation (FDA action limit) | 96 | HU0040081 |
| Celer® DON | Deoxynivalenol | Methanol-based assay for the detection of deoxynivalenol in cereals, feed, DDGS with shared sample preparation with other B ZERO assays | 48 | HU0040029 |
| | | | 96 | HU0040009 |
| | | | 192 | HU0040049 |
| Celer® ZEA | Zearalenone | Methanol-based assay for the detection of zearalenone in cereals, feed and DDGS | 48 | HU0040026 |
| | | | 96 | HU0040006 |
| | | | 192 | HU0040046 |
| Celer® FUMO | Fumonisin | Methanol-based assay for the detection of fumonisins in maize and feed. | 48 | HU0040032 |
| | | | 96 | HU0040012 |
| | | | 192 | HU0040052 |
| Celer® OCHRA | Ochratoxin | Methanol-based assay for the detection of ochratoxin in cereals | 48 | HU0040033 |
| | | | 96 | HU0040013 |
| | | | 192 | HU0040063 |
| Celer® T2 | T-2 and HT-2 toxins | Methanol-based assay for the detection of both T-2 and HT-2 metabolite in cereals and feed | 48 | HU0040030 |
| | | | 96 | HU0040010 |
| | | | 192 | HU0040050 |

Water-based Quantitative ELISA Test Kits

| Product | Target | Product description | No. of wells | Article No. |
|---------|----------------|---|--------------|-------------|
| H2DON | Deoxynivalenol | ELISA test kits for the quantitative detection of deoxynivalenol (vomitorin). | 96 | HU0040017 |
| | | | 48 | HU0040037 |
| | | | 192 | HU0040057 |

I'Screen Quantitative ELISA Test Kits



| Product | Target | Product description | No. of wells | Article No. |
|--|--------------|--|--------------|------------------------|
| I'Screen AFLA | Aflatoxins | Assay for detecting aflatoxins in cereals, spices, dried fruit and nuts. | 96 | HU0040019 |
| | | | 48 | HU0040039 |
| I'Screen AFLA M1 | Aflatoxin M1 | Assay for detecting aflatoxins M1 in milk, yoghurt and cheese. LOD: Raw Milk 0.005 ppb, Milk Powder 0.05 ppb, Cheese 0.037, Firm cheese 0.12, Yoghurt 0.12 | 96 192 | HU0040002 HU0040042 |
| I'Screen AFLA M1 milk - AOAC certified | Aflatoxin M1 | Assay for detecting aflatoxins M1 in milk. LOD: Raw Milk 0.005 ppb, Milk Powder 0.05 ppb | 96 | HU0040001 |
| | | | 48 192 | HU0040021 HU0040041 |

SENSIColumn Immunoaffinity Columns



| Product | Product description | Quantity | Article No. |
|--|---|-------------------|-------------|
| SENSIColumn IAC Aflatoxin total | Immunoaffinity columns that retain total aflatoxin | 3 ml x 50 columns | EFAF3105 |
| SENSIColumn IAC Aflatoxin M1 | Immunoaffinity columns that retain aflatoxin M1 | 3 ml x 50 columns | EFAFM3115 |
| SENSIColumn IAC Ochratoxin | Clean-up of commodity extracts of food and feed samples containing ochratoxin A/B | 3 ml x 50 columns | EFOT3125 |
| SENSIColumn IAC Ochratoxin SMART | Specially designed low cost immunoaffinity column with reduces loading capacity for ochratoxin purification. | 3 ml x 50 columns | EFOTS3125 |
| SENSIColumn IAC Deoxynivalenol | Immunoaffinity columns that retain deoxynivalenol and separate it from the other substances present in the sample. | 3 ml x 50 columns | EFD03135 |
| SENSIColumn IAC Fumonisin | Immunoaffinity columns that retain fumonisins and separate them from the other substances present in the sample. | 3 ml x 50 columns | EFFU3145 |
| SENSIColumn IAC Zearalenone | Immunoaffinity columns that retain zearalenone and separate it from the other substances present in the sample. | 3 ml x 50 columns | EFZE3155 |
| SENSIColumn IAC Zearalenone SMART | Specially designed low cost immunoaffinity column with reduces loading capacity for ochratoxin purification. | 3 ml x 50 columns | EFZES3155 |
| SENSIColumn IAC T2/HT2 | Immunoaffinity columns that retain T2 toxin and separate it from the other substances present in the sample. | 3 ml x 50 columns | EFTE3165 |
| SENSIColumn IAC Combi Afla+Ochra | Clean-up of commodity extracts of food and feed samples containing aflatoxins and ochratoxins | 3 ml x 50 columns | EFCA3215 |
| SENSIColumn IAC Combi Afla+Ochra+Zeara | Clean-up commodity extracts of food and feed samples containing aflatoxins, ochratoxins and zearalenon | 3 ml x 50 columns | EFCZ3225 |
| SENSIColumn IAC Combi Deoxynivalenol+Zearalenone | Clean-up of commodity extracts of food and feed samples containing deoxynivalenol and zearalenon | 3 ml x 50 columns | EFCD3235 |
| SENSIColumn IAC Combi AOZDFT all in one for LC-MS/MS | Simultaneous extraction of aflatoxins, ochratoxins, zearalenon, deoxynivalenol, fumonisins and T2-Toxin in food and feed stuffs | 3 ml x 50 columns | EFCM3265 |
| SENSIColumn IAC Ergot Alkaloids | Clean-up of commodity extracts of food and feed samples containing 12 priority ergot alkaloids | 3 ml x 50 columns | EFLS3275 |

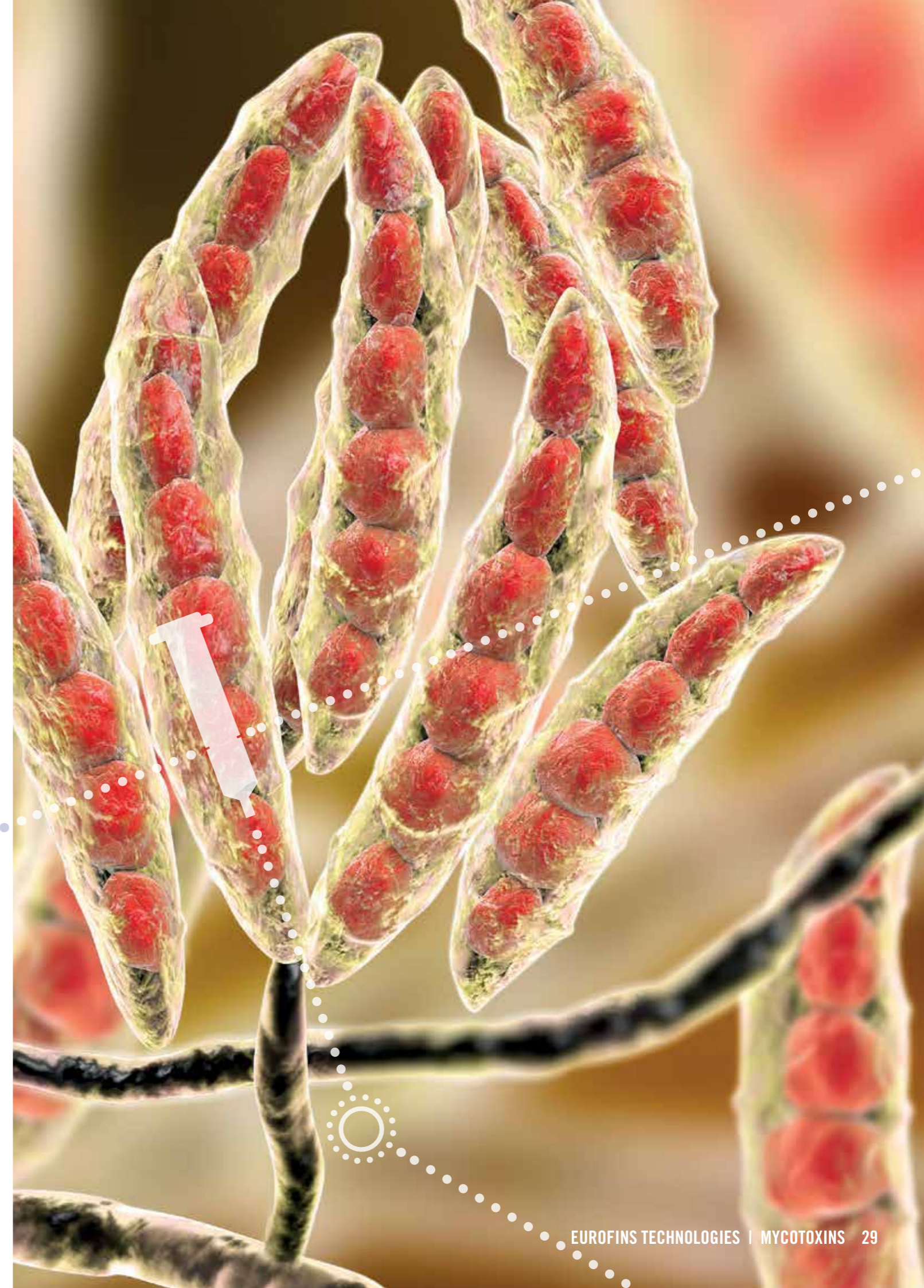
IClean Immunoaffinity Columns



| Product | Specificity | Product description | No. of tests | Article No. |
|------------------|--------------|---|--------------|-------------|
| IClean C AFLA M1 | Aflatoxin M1 | Immunoaffinity columns that retain aflatoxin M1 | 25 | IA801 |

Supplementary Products

| Product | Target | Product description | No. of tests / Quantity | Article No. |
|---|-------------------|--|---|-------------|
| EasyPur AFLA | Aflatoxins | Resin for the purification of aflatoxins from complex matrices. | 25 | AC010 |
| Mycotoxin Extraction Solution A | Mycotoxins | Solution for the extraction of mycotoxins in cereals and other commodities. | 500 ml | HU0040103 |
| Milk diluent | | 2 bottles containing 12 ml of negative milk (standard 0 milk) | 12 ml | HU0040101 |
| Extraction Buffers for Afla M1 in cheese samples | Afla M1 in cheese | 1 bottle containing 12 ml of negative milk (0 standard). 2) Extraction buffer: 1 bottle containing 20 ml solution. | 12 ml (Milk diluent) 20 ml (Extraction buffer) | HU0040102 |
| Enzyme conjugate for Celer® AFLA B1 and B ZERO® AFLA B1 | | Enzyme conjugate for Celer® AFLA B1 and B ZERO® AFLA B1 | 14 mL | HU0040104 |
| Enzyme conjugate for Celer® DON v3 & B ZERO DON v2 | | Enzyme conjugate for Celer® DON v3 & B ZERO DON v2 | 14 mL | HU0040105 |
| Enzyme conjugate for Celer® AFLA | | Enzyme conjugate for Celer® AFLA | 14 mL | HU0040106 |
| Enzyme conjugate for Celer® ZEA & B ZERO ZEA | | Enzyme conjugate for Celer® ZEA & B ZERO ZEA | 14 mL | HU0040107 |
| Enzyme conjugate for Celer® FUMO & B ZERO FUMO | | Enzyme conjugate for Celer® FUMO & B ZERO FUMO | 14 mL | HU0040108 |
| Enzyme conjugate for Celer® T2 & B ZERO T2 | | Enzyme conjugate for Celer® T2 & B ZERO T2 | 14 mL | HU0040109 |
| Enzyme conjugate for Celer® OCHRA & B ZERO OCHRA | | Enzyme conjugate for Celer® OCHRA & B ZERO OCHRA, 14 mL | 14 mL | HU0040110 |
| Standard curve set for I'screen AFLA M1 milk | | Standard curve set for I'screen AFLA M1 milk | 7 x 1,5 mL | HU0040111 |
| Aflatoxin M1 supplementary standards for I'screen AFLA M1 and I'screen AFLA M1 milk | | Two extra standards at concentration of 35 and 65 ng/L, both can be purchased in combination to both I'screen AFLA M1 and I'screen AFLA M1 milk ELISA kit. | 2 x 1,5 mL | HU0040112 |





GENETICALLY MODIFIED ORGANISMS (GMO)

Cultivation of genetically modified (GM) crops has increased significantly around the globe over the years. This increase in production has been combined with a complex and ever evolving global regulatory approval process for GM products, therefore requiring the testing of food and agricultural products for genetically modified content in order to facilitate international trade.

GMO analysis can be performed in the field or in a testing laboratory and determination of the appropriate test method is dependent on the nature of the sample, the required level of sensitivity of the assay, and the intended market for the product.

Eurofins Technologies offers a broad range of GMO testing products that cover both the rapid onsite / field testing as well as comprehensive molecular analysis.

Eurofins GeneScan Real-Time PCR GMO Kits

Eurofins GeneScan is recognised worldwide for its expertise and leading performance in the field of bio-molecular testing for GMOs. Our PCR methods for GMO screening, identification and quantification have been adapted to the volatile and current market situation and are verified daily.

Kits are available both for conventional PCR or real-time PCR, for screening, identification and quantification.

Real-Time PCR Kits

- *GMOScreen*: modular system of intelligent screening and multiplex screening kits
- *GMOIdent*: kits for precise identification or exclusion of single GMO varieties in soy, maize, rice, sugar beet, cotton, linseed or potato
- *GMOQuant*: quantitative methods to identify and to quantitate the GMO content in order to comply with labelling and marketability rules
- Verification kits: offered for *GMOScreen RT 35S/NOS/FMV* and *GMOQuant* kits, with all components required for the EURL recommended verification of the corresponding kit

Key Benefits

- Broadest portfolio of GMO testing kits worldwide
- Excellent overview of the global GMO approval and cultivation situation
- Regular adaptation of the detection kits portfolio to market demands

ELISA Kits and Lateral Flow Devices for GMO Detection

The ELISA test kits provide an accurate and reliable solution to verify the presence or the absence of inserted trait in individual leaf, seed or bulk grain.

Our lateral flow devices enable a rapid on-site GMO detection in cotton, corn, soybean and mustard / canola.

SpeciesScreen RT Kits (Qualitative Real-Time PCR, LR+HR)



| Product | Product description | No. of tests | Article No. |
|----------------------------|---|--------------|-------------|
| SpeciesScreen RT IPC Plant | Kit with 96 RT-PCR rxns for general plant DNA detection with internal positive control. All reagents and controls included. | 96 | 5421229401 |

SpeciesIdent RT Kits (Qualitative Real-Time PCR)

| Product | Product description | No. of tests | Article No. |
|--|---|--------------|-------------|
| SpeciesIdent RT IPC Corn/ Maize (LR) | Kit with 96 RT-PCR rxns for corn/maize species detection with internal positive control (IPC). All reagents and controls included. | 96 | 5421229901 |
| SpeciesIdent RT IPC Soy (LR) | Kit with 96 RT-PCR rxns for soy species detection with internal positive control (IPC). All reagents and controls included. | 96 | 5421232001 |
| SpeciesIdent RT IPC Cotton (LR) | Kit with 96 RT-PCR rxns for cotton species detection with internal positive control (IPC). All reagents and controls included. | 96 | 5421234001 |
| SpeciesIdent RT IPC Rice (LR/HR) | Kit with 96 RT-PCR rxns for rice species detection with internal positive control (IPC). All reagents and controls included. | 96 | 5421229601 |
| SpeciesIdent RT IPC Rapeseed (LR) | Kit with 96 RT-PCR rxns for rapeseed species detection with internal positive control (IPC). | 96 | 5421229201 |
| SpeciesIdent RT IPC CaMV (LR/HR) | Kit with 96 RT-PCR rxns for Cauliflower Mosaic Virus species detection with internal positive control (IPC). All reagents and controls included. | 96 | 5421229701 |
| SpeciesIdent RT IPC Agrobacterium tumefaciens (LR) | Kit with 96 RT-PCR rxns for Agrobacterium tumefaciens species detection with internal positive control (IPC). All reagents and controls included. | 96 | 5421229801 |
| SpeciesIdent RT IPC Figwort Mosaic Virus (LR) | Kit with 96 RT-PCR rxns for Figwort Mosaic species detection with internal positive control (IPC). All reagents and controls included. | 96 | 5421230001 |

SpeciesQuant RT Kits (Qualitative Real-Time PCR)

| Product | Product description | No. of samples | Article No. |
|--|---|----------------|-------------|
| SpeciesQuant Botanical Impurity Soy (NR) | Kit for DNA extraction and real-time PCR quantification (on MX3000P/MX3500P) of soy as bot. impurity in max. 44 samples | 44 | 5421231001 |
| SpeciesQuant Botanical Impurity Soy (LR) | DNA extraction and real-time PCR quantification of soy. Validated on ABI 7500/Fast and CFX96 | 44 | 5421233001 |
| 1% Reference sample for Botanical Impurity Soy | 2 g of 1% (w/w) soybean in maize flour; suitable for SpeciesQuant Botanical Impurity Soy (LR), Cat # 5421233001 | | 5112702001 |

GMOscreen Kits for Real-Time PCR (Qualitative Real-Time PCR)



| Product | Product description | No. of tests | Article No. |
|---|--|--------------|-------------|
| GMOscreen RT 35S/NOS/ABII IPC (LR) for ABI7500/Fast | 96 RT-PCR reactions, up to 46 samples per plate. Multiplex screening of p35s, tNOS, AgroBorder II with internal positive control. | 96 | 5421227101 |
| GMOscreen RT 35S/NOS/ABII IPC (NR) for MX3005P, AriaMX, CFX96 and Rotor-Gene Q | 96 RT-PCR reactions, up to 46 samples per plate. Multiplex screening of p35s, tNOS, AgroBorder II with internal positive control. | 96 | 5421227102 |
| GMOscreen RT IPC (LR) 35S/NOS/FMV for ABI7500/Fast | 96 RT-PCR reactions, up to 44 samples per plate. Multiplex screening of pFMV, p35s and tNOS in a single tube with internal positive control (IPC). | 96 | 5421220301 |
| GMOscreen RT IPC (NR) 35S/NOS/FMV for MX3005P/MX3000P, AriaMX, RotorGene Q, CFX96 and LC480 | 96 RT-PCR reactions, up to 44 samples per plate. Multiplex screening of pFMV, p35s and tNOS with internal positive control. | 96 | 5421220302 |
| GMOscreen RT IPC (LR) CaMV 35s Terminator | 96 RT-PCR reactions. Detection of CaMV 35S terminator sequences with internal positive control (IPC). | 96 | 5421227105 |

| Product | Product description | No. of tests | Article No. |
|---|--|--------------|-------------|
| GMOscreen RT IPC (LR) AgroBorder II | 96 real-time PCR reactions for detection of the AgroBorder II. Validated for use on MX3005P/MX3000P, CFX96, AriaMX, ABI 7500, LC480, Rotor-Gene Q. | 96 | 5421228401 |
| GMOscreen RT IPC (LR) AgroBorder I | 96 real-time PCR reactions. Detection of AgroBorder I with internal positive control (IPC). Validated for use on ABI7500/Fast, MX3005/ MX3000P, CFX96, LC 480, AriaMX. | 96 | 5421227501 |
| GMOscreen RT IPC (LR) bar | 96 real-time PCR reactions. Detection of native bar-gene with internal positive control (IPC). Validated for use on ABI7500/fast, MX3005/ MX3000P, CFX96, AriaMX. | 96 | 5421227601 |
| GMOscreen RT IPC (LR) NOS Terminator | 96 real-time PCR reactions for detection of the NOS terminator. Validated for use on MX3005P/MX3000P, CFX96, AriaMX, ABI 7500, LC480, Rotor-Gene Q. | 96 | 5421220201 |
| GMOscreen RT IPC (LR) nptII-gene | 96 real-time PCR reactions. Detection of the nptII gene with internal positive control (IPC). Validated for use on ABI7500/ FastMX3005/MX3000P, AriaMX and CFX96. | 96 | 5421228601 |
| GMOscreen RT IPC (LR) ocs-terminator | 96 real-time PCR reactions for detection of the ocs-terminator. Validated for use on MX3005P/MX3000P. AriaMX and CFX96. | 96 | 5421228101 |
| GMOscreen RT IPC (LR) ocs-terminator/Laurical™/oxy-235 Canola | 96 real-time PCR reactions. Multiplex screening of the ocs-terminator, oxy-235 canola and Laurical™ canola with internal positive control (IPC). Validated for use on ABI 7500/Fast. | 96 | 5421228201 |
| GMOscreen RT IPC (LR) pat(syn) | 96 real-time PCR reactions. Detection of synthetic pat-gene with internal positive control (IPC). Validated for use on ABI7500/fast, MX3005/ MX3000P, CFX96, AriaMX. | 96 | 5421227701 |
| GMOscreen RT IPC (LR/HR) ubi/gat-modification | 96 real-time PCR reactions. Identification of ubi/gat-modification with internal positive control (IPC). Validated for use on ABI7500/ FAST, MX3005P/MX3000P and ABI7900. | 96 | 5421227801 |
| GMOscreen RT IPC (LR) GM Soy I for ABI 7500 (Fast) | GMOscreen for comprehensive GMO detection in soy (LR) on ABI 7500 Fast, contains GMOscreen RT IPC 35S/NOS/FMV, GMOscreen RT IPC CV127/SAMS-ALS and GMOscreen RT IPC AgroBorder I/II. | 96 | 5421226701 |
| GMOscreen RT IPC (NR) GM Soy I for MX3005P/MX3000P and LC480 | GMOscreen for comprehensive GMO detection in soy (NR) on MX3005P/MX3000P and LC480: contains GMOscreen RT IPC 35S/NOS/FMV, GMOscreen RT IPC CV127/SAMS-ALS and GMOscreen RT IPC AgroBorder I/II. | 96 | 5421226702 |
| GMOscreen RT IPC (LR) 35S/NOS | 96 RT-PCR reactions, up to 44 samples per plate. Duplex PCR with internal positive control. Validated for ABI7500/Fast, MX3005P/MX3000P and LC480. | 96 | 5421220001 |
| GMOscreen RT 35S/IPC and NOS/IPC (LR/HR+) | 2 x 96 RT-PCR reactions, for up to 46 samples. For use on low-ROX and high-ROX cyclers with FAM and VIC filters. | 2 x 96 | 5421220002 |
| GMOscreen RT (LR/HR+) 35S/IPC and NOS/IPC and FMV/IPC | 3 x 96 RT-PCR reactions, for up to 46 samples. For use on low-ROX and high-ROX cyclers with FAM and VIC filters. | 3 x 96 | 5421220303 |
| GMOscreen RT FMV/IPC (LR/HR+) | 96 RT-PCR reactions, for up to 46 samples. For low- and high-ROX cyclers with FAM/VIC filters. | 96 | 5421220501 |
| GMOscreen RT IPC (LR) AgroBorder I/II | 96 RT-PCR reactions, for up to 44 samples. | 96 | 5421226201 |
| GMOscreen RT IPC (NR) ocs-terminator/Laurical™/oxy-235 Canola | 96 real-time PCR reactions. Multiplex detection of the ocs-terminator, Laurical™ and oxy-235 canola canola with internal positive control (IPC). Validated for use on MX3005P/MX3000P, CFX96 and AriaMX. | 96 | 5421228301 |
| GMOscreen RT IPC (LR) CV127/SAMS-ALS | 96 RT-PCR reactions, for up to 44 samples. | 96 | 5421225601 |
| GMOscreen RT IPC (LR) Event GA21/PMI-NOS | 96 multiplex-RT-PCR rxns, for MX3005P, AriaMX, ABI7500 and CFX96 Touch | 96 | 5421227103 |
| GMOscreen RT IPC (LR) CsVMV | 96 multiplex-RT-PCR rxns, for up to 44 samples. Screening for i.e. DAS-68416-4, DAS-44406-6, DAS-81419-2 soy. Validated for ABI7500/Fast, MX3005P/ MX3000P, AriaMX, CFX96 and LC480. | 96 | 5421226401 |
| GMOscreen RT IPC (LR/HR+) NOS-NPT | 96 multiplex-RT-PCR rxns, for up to 44 samples. Validated for ABI7500/Fast, MX3005P/ MX3000P and ABI7900. | 96 | 5421226801 |
| GMOscreen RT IPC (LR/HR+) 35S-NPT | 96 multiplex-RT-PCR rxns, for up to 44 samples. Validated for ABI7500/Fast, MX3005P/ MX3000P and ABI7900. | 96 | 5421226901 |
| GMOscreen RT IPC (NR) EPSPS/NOS/NPTII/PAT | 96 multiplex RT-PCR rxns, Multiplex screening of PVGT, tNOS, nptII and pat (syn) incl. IPC for MX3005/MX3000P. | 96 | 5421220401 |
| GMOscreen RT IPC | CsVMV/CV127/DP305423-1 Soy (LR) for ABI7500/Fast | 96 | 5421227203 |
| GMOscreen RT IPC (LR) Cry1Ab/Ac | 96 RT-PCR reactions, up to 44 samples per plate. | 96 | 5421227901 |

GMOQuant & GMoIdent RT Kits (Quantitative PCR, LR+HR) Corn

| GMO | GMOQuant LR Product name / Art. No. | GMOQuant HR Product name / Art. No. | GMoIdent RT Kits Product name / Art.No |
|---|--|---|--|
| 35S Screen Corn 1 | GMOQuant (LR) 35S Screen Corn 1 | GMOQuant (HR) 35S Screen Corn 1 | |
| Article No. | 5125203501 | 5125200601 | |
| 35S/NOS Corn | GMOQuant Duplex IPC (LR) 35S/NOS Corn | | |
| Article No. | 5125223801 | | |
| VCO-01981-5 / DAS-40278-9 / Ly038 Corn | | | GMoIdent RT IPC VCO-01981-5/ DAS-40278-9/Ly038 Corn IPC (NR) |
| Article No. | | | 5421230502 |
| VCO-01981-5 / DAS-40278-9 / Ly038 Corn | | | GMoIdent RT IPC VCO-01981-5/ DAS-40278-9/Ly038 Corn IPC (LR) |
| Article No. | | | 5421230501 |
| MIR162/MIR604 Corn | GMOQuant Duplex (LR) MIR162/MIR604 Corn | | |
| Article No. | 5125222201 | | |
| 35S/GA21 Corn | GMOQuant Duplex (LR) 35S/ Event GA21 Corn | | |
| Article No. | 5125222801 | | |
| Roundup Ready 2™ Event NK603 | GMOQuant (LR) Event NK603 Corn | GMOQuant (HR) Event NK603 Corn | GMoIdent RT IPC Event NK603 Corn |
| Article No. | 5125204401 | 5125204301 | 5421221001 |
| Roundup Ready™ Event GA21 | GMOQuant (LR) Event GA21 Corn | GMOQuant (HR) Event GA21 Corn | GMoIdent RT IPC Event GA21 Corn |
| Article No. | 5125204601 | 5125204501 | 5421222501 |
| Agrisure RW™ Event MIR604 | GMOQuant (LR) Event MIR604 Corn | GMOQuant (HR) Event MIR604 Corn | GMoIdent RT IPC Event MIR604 Corn 3 |
| Article No. | 5125206401 | 5125205501 | 5421221101 |
| Agrisure™ CB/LL Event Bt11 | GMOQuant (LR) Event Bt11 Corn | GMOQuant (HR) Event Bt11 Corn | GMoIdent RT IPC Event Bt11 Corn |
| Article No. | 5125206501 | 5125209901 | 5421225401 |
| YieldGard VT RW™ Event MON88017 | GMOQuant (LR) Event MON88017 Corn | GMOQuant (HR) Event MON88017 Corn | GMoIdent RT IPC Event MON88017 Corn |
| Article No. | 5125207301 | 5125207401 | 5421221801 |
| YieldGard VT Pro™ Event MON89034 | GMOQuant (LR) Event MON89034 Corn | GMOQuant (HR) Event MON89034 Corn | GMoIdent RT IPC Event MON89034 Corn |
| Article No. | 5125206701 | 5125206901 | 5421221601 |
| YieldGard™, MaizeGard™ Event MON810 | GMOQuant (LR) Event MON810 Corn | GMOQuant (HR) Event MON810 Corn | GMoIdent RT IPC Event MON810 Corn (LR) |
| Article No. | 5125207801 | 5125201501 | 5421241301 |
| Agrisure Viptera™ Event MIR162 | GMOQuant (LR) Event MIR162 Corn | GMOQuant (HR) Event MIR162 Corn | GMoIdent RT IPC Event MIR162 Corn |
| Article No. | 5125209701 | 5125221501 | 5421241901 |
| KnockOut™, NatureGard™ Event Bt176 | GMOQuant (LR) Event Bt176 Corn | GMOQuant (HR) Event Bt176 Corn | GMoIdent RT IPC Bt176 Corn |
| Article No. | 5125209401 | 5125209801 | 5421240301 |
| LibertyLink™ | GMOQuant (LR) LibertyLink™ Corn | GMOQuant (HR) LibertyLink™ Corn | |
| Article No. | 5125207701 | 5125201601 | |
| Herculex I™ Event TC1507 | GMOQuant (LR) Event TC1507 Corn | GMOQuant (HR) Event TC1507 Corn | GMoIdent RT IPC Event TC1507 Corn |
| Article No. | 5125209301 | 5125202301 | 5421222401 |
| Herculex RW™ Event DAS-59122-7 | GMOQuant (LR) Event DAS-59122-7 Corn | GMOQuant (HR) Event DAS-59122-7 Corn | GMoIdent RT IPC Event DAS-59122-7 Corn |
| Article No. | 5125208201 | 5125202901 | 5421221201 |
| YieldGard Rootworm™, MaxGard™ Event MON863 | GMOQuant (LR) Event MON863 Corn | GMOQuant (HR) Event MON863 Corn | GMoIdent RT IPC Event MON863 Corn |
| Article No. | 5125208001 | 5125208101 | 5421221701 |
| Enogen™ Event 3272 | GMOQuant (LR) Event 3272 Corn | GMOQuant (HR) Event 3272 Corn | GMoIdent RT IPC Event 3272 Corn |
| Article No. | 5125207601 | 5125221301 | 5421224901 |

| GMO | GMOQuant LR Product name / Art. No. | GMOQuant HR Product name / Art. No. | GMoIdent RT Kits Product name / Art.No |
|---------------------------------------|--|--|--|
| LibertyLink™ Event T25 | | | GMoIdent RT IPC Event T25 Corn |
| Article No. | | | 5421230901 |
| Mavera™ | | | GMoIdent RT IPC Ly038 Corn |
| Article No. | | | 5421241201 |
| DroughtGard™ Event MON87460 | GMOQuant (LR) Event MON87427 Corn | | GMoIdent RT IPC (LR/HR) Event DP-356043-5 Soy |
| Article No. | 5125222501 | | 5421242301 |
| Enlist™ Event DAS-40278-9 | GMOQuant IPC (LR) Event DAS-40278-9 Corn | | GMoIdent RT IPC Event DAS-40278-9 Corn |
| Article No. | 5125222701 | | 5421226001 |
| Agrisure Duracade™ Event 5307 Corn | GMOQuant (LR) Event 5307 Corn | | GMoIdent RT IPC (LR/HR) Event 5307 Corn |
| Article No. | 5125222401 | | 5421230801 |
| StarLink™ | GMOQuant (LR) StarLink™ Corn | GMOQuant (HR) StarLink™ Corn | |
| Article No. | 5125209601 | 5125201801 | |
| Event VCO-01981-5 | | | GMoIdent RT IPC Event VCO-01981-5 Corn (LR) |
| Article No. | | | 5421230201 |
| Roundup Ready™ Event MON87427 | GMOQuant (LR) Event MON87427 Corn | | GMoIdent RT IPC Event MON87427 Corn |
| Article No. | 5421230301 | | 5421230301 |
| LibertyLink™ Event T14 | | | GMoIdent RT IPC (LR) Event T14 Corn |
| Article No. | | | 5421230401 |
| DP-004114-3 | GMOQuant IPC (LR/HR) Event DP-004114-3 Corn | | GMoIdent RT IPC Event DP-004114-3 Corn |
| Article No. | 5125223701 | | 5421242201 |

Cotton

| Event | GMOQuant LR Product name / Art. No. | GMOQuant HR Product name / Art. No. | GMoIdent RT Kits Product name / Art.No |
|--------------------------------------|---|--|--|
| WideStrike™ Event 3006-210-23 | GMOQuant (LR) Event 3006-210-23 Cotton | GMOQuant (HR) 3006-210-23 Cotton | GMoIdent RT IPC (LR) Event 3006-210-23 Cotton |
| Article No. | 5125220901 | 5125221001 | 5421241601 |
| WideStrike™ Event 281-24-236 | GMOQuant (LR) Event 281-24-236 Cotton | GMOQuant (HR) 281-24-236 Cotton | GMoIdent RT IPC (LR) Event 281-24-236 Cotton |
| Article No. | 5125221101 | 5125221201 | 5421241501 |
| Roundup Ready Flex™ Event MON1445 | | | GMoIdent RT Event MON1445 Cotton |
| Article No. | | | 5421222901 |
| Bollgard II™ Event MON88913 | | | GMoIdent RT Event MON88913 Cotton |
| Article No. | | | 5421223401 |
| Bollgard™ Event MON531 | | | GMoIdent RT Event MON531 Cotton |
| Article No. | | | 5421223901 |
| Bollgard II™ Event MON15985 | | | GMoIdent RT IPC (LR) Event GHB614 Cotton |
| Article No. | | | 5421241001 |
| GlyTol™ Event GHB614 | | | GMoIdent RT Event GHB614 Cotton |
| Article No. | | | 5421224001 |
| VipCot™ COT102 | | | GMoIdent RT IPC VIP3Aa Cotton |
| Article No. | | | 5421226301 |
| LibertyLink™ LLCotton25 | | | GMoIdent RT Event LLCotton25 Cotton |
| Article No. | | | 5421224101 |



| GMO | GMOQuant LR Product name /Art. No. | GMOQuant HR Product name / Art. No. | GMOIdent RT Kits Product name / Art.No |
|---|---|--|---|
| 35S Screen Soy | GMOQuant (LR) 35S Screen Soy | GMOQuant (HR) 35S Screen Soy | |
| Article No. | 5125207201 | 5125203101 | |
| AgroBorder II Screen Soy | GMOQuant (LR) AgroBorder II Screen Soy | GMOQuant (HR) AgroBorder II Screen Soy | |
| Article No. | 5125222001 | 5125222101 | |
| 35S/AgroBorder II Soy | GMOQuant Duplex (LR) 35S/AgroBorder II Soy | | |
| Article No. | 5125222301 | | |
| 35S/MON89788 Soy | GMOQuant Duplex (LR) 35S/MON89788 Soy | | |
| Article No. | 5125210001 | | |
| CsVMV / CV127 / DP-356043-5 | GMOQuant IPC (LR/HR) CsVMV Screen Soy | | GMOScreen RT IPC CsVMV / CV127 / DP-356043-5 (NR) |
| Article No. | 5125223601 | | 5421227104 |
| LibertyLink™ Event A2704-12 | GMOQuant (LR) Event A2704-12 Soy | GMOQuant (HR) Event A2704-12 Soy | GMOIdent RT IPC Event A2704-12 Soy (LR) |
| Article No. | 5125206801 | 5125206301 | 5421226101 |
| Genuity Roundup Ready 2 Yield™ Event MON89788 | GMOQuant (LR) Event MON89788 Soy | GMOQuant (HR) Event MON89788 Soy | GMOIdent RT IPC (LR) Event MON89788 Soy |
| Article No. | 5125207001 | 5125207101 | 5421241101 |
| Optimum™ GAT™ Event DP-356043-5 | GMOQuant (UMM*) Event DP-356043-5 Soy | | GMOIdent RT IPC (LR/HR) Event DP-356043-5 Soy |
| Article No. | 5125220201 | | 5421242301 |
| Event MON87701 | GMOQuant (UMM*) Event MON87701 Soy | | GMOIdent RT IPC (LR) Event MON87701 Soy |
| Article No. | 5125220301 | | 5421241701 |
| LibertyLink™ Event A5547-127 | GMOQuant (UMM*) Event A5547-127 Soy | | GMOIdent RT Event A5547-127 Soy |
| Article No. | 5125220601 | | 5421223701 |
| Cultivance™ Event CV127 | GMOQuant (UMM*) Event CV127 Soy | | GMOIdent RT IPC (LR) Event CV127 Soy |
| Article No. | 5125220701 | | 5421240501 |
| RoundupReady™ Event GTS 40-3-2 | GMOQuant (LR) RoundupReady™ Soy | GMOQuant (HR) RoundupReady™ Soy | GMOIdent RT IPC Roundup Ready™ Soy |
| Article No. | 5125203401 | 5125200401 | 5421242601 |
| Plenish™ Event DP-305423-1 | GMOQuant (UMM*) Event DP-305423-1 Soy | | GMOIdent RT IPC (LR) Event DP-305423-1 Soy |
| Article No. | 5125207501 | | 5421240601 |
| Vistive Gold™ Event MON87705 | GMOQuant (UMM*) Event MON87705 Soy | | GMOIdent RT Event MON87705Soy |
| Article No. | 5125221601 | | 5421225701 |
| Balance™ GT Event FG72 Soy | GMOQuant (LR) NEW! Event FG72 Soy | | GMOIdent RT IPC (LR)Event FG72 Soy |
| Article No. | 5125223401 | | 5421240701 |
| Enlist™ Event DAS-68416-4 | | | GMOIdent RT IPC (LR) Event DAS-68416-4 Soy |
| Article No. | | | 5421226401 |
| Soymega™ Event MON87769 | GMOQuant (LR) Event MON87769 Soy | | GMOIdent RT IPC (LR) Event MON87769 Soy |
| Article No. | 5125222601 | | 5421230701 |
| Event MON87751 Soy | | GMOQuant IPC (LR/HR) Event MON87751 Soy | GMOIdent RT IPC (LR) Event MON87751 Soy |
| Article No. | | 5125223501 | 5421241801 |
| Event DAS-44406-6 / DAS-81419-2 / DAS-68416-4 Soy | GMOQuant (LR) Event DAS-68416-4 Soy | | GMOIdent RT IPC (NR) DAS-44406-6/DAS-81419-2/ DAS-68416-4 Soy |
| Article No. | 5125223201 | | 5421240801 |

| GMO | GMOQuant LR Product name /Art. No. | GMOQuant HR Product name / Art. No. | GMOIdent RT Kits Product name / Art.No |
|--|---------------------------------------|--|--|
| Event MON87708/ MON87701/ MON87705 Soy | | | GMOIdent RT IPC (LR) MON87708/MON87701/ MON87705 Soy |
| Article No. | | | 5421240901 |
| Event SYHT0H2 Soy | | | |
| Article No. | | | |
| Event MON87708 Soy | GMOQuant (LR) Event MON87708 Soy | | GMOIdent RT IPC (LR) Event MON87708 Soy |
| Article No. | 5125223301 | | 5421240401 |
| Event DAS-68416-4 Soy | | | GMOIdent RT IPC (LR) Event DAS-68416-4 Soy |
| Article No. | | | 5421240101 |

Rapeseed

| Event | GMOQuant LR Product name /Art. No. | GMOQuant HR Product name / Art. No. | GMOIdent RT Kits Product name / Art.No |
|------------------------------|--|--|---|
| Roundup Ready™ Event RT73 | GMOQuant (UMM*) Event RT73 Rapeseed | | GMOIdent RT IPC (LR) Event RT73 Canola |
| Article No. | 5125208901 | | 5421242801 |
| SeedLink™ Event MS8 | GMOQuant (UMM*) Event MS8 Rapeseed | | GMOIdent RT Event MS8 Rapeseed |
| Article No. | 5125209001 | | 5421224201 |
| SeedLink™ Event Rf3 | GMOQuant (UMM*) Event Rf3 Rapeseed | | GMOIdent RT Event Rf3 Rapeseed |
| Article No. | 5125209101 | | 5421224301 |
| LibertyLink™ Event T45 | GMOQuant (UMM*) Event T45 Rapeseed | | GMOIdent RT IPC Event T45 Canola |
| Article No. | 5125208401 | | 5421223501 |
| Laurical™ | | | GMOIdent RT IPC (LR) Laurical™ canola |
| Article No. | | | 5421242401 |
| oxy-235 | | | GMOIdent RT IPC oxy-235 canola |
| Article No. | | | 5421242501 |

Rice

| Event | GMOQuant LR Product name /Art. No. | GMOQuant HR Product name / Art. No. | GMOIdent RT Kits Product name / Art.No |
|---|---------------------------------------|--|---|
| LibertyLink™ Event LLRice62 | GMOQuant (UMM*) Event LL62 Rice | | GMOIdent RT Event LL62 Rice |
| Article No. | 5125209201 | | 5421222001 |
| Event LLRice601 | | | GMOIdent RT Event LL601 Rice |
| Article No. | | | 5421222101 |
| LibertyLink™ Event LL601, Event LLRice62 and other | | | GMOIdent RT LibertyLink™ Rice |
| Article No. | | | 5221103801 |
| LibertyLink™ Event LL601, Event LLRice62 and other | | | GMOIdent RT LibertyLink™ Rice (with species control) |
| Article No. | | | 5221103809 |
| Event Bt63 and other | | | GMOIdent RT Bt Rice |
| Article No. | | | 5421221401 |
| Bt Rice & Rice Species Event Bt63 and other | | | GMOIdent RT Bt Rice (with species control) |
| Article No. | | | 5421221409 |

Sugarbeet

| Event | GMOQuant LR Product name /Art. No. | GMOQuant HR Product name / Art. No. | GMOIdent RT Kits Product name / Art.No |
|---|---------------------------------------|--|---|
| Roundup Ready™ Event H7-1 Article No. | | | GMOIdent RT (IPC) Event H7-1 Sugarbeet 5421222801 |

Flax

| Event | GMOQuant LR Product name /Art. No. | GMOQuant HR Product name / Art. No. | GMOIdent RT Kits Product name / Art.No |
|---------------------------------|---------------------------------------|--|---|
| CDC Triffid™ Article No. | | | GMOIdent RT (IPC) FP967 Flax 5421222601 |

Potato

| Event | GMOQuant LR Product name /Art. No. | GMOQuant HR Product name / Art. No. | GMOIdent RT Kits Product name / Art.No |
|---|---------------------------------------|--|--|
| Amflora™ Event EH92-527-1 Article No. | | GMOQuant (HR) Event EH92-527-1 Potato 5125207901 | GMOIdent RT Event EH92-527-1 Potato 5421223601 |

Salmon

| Event | GMOQuant LR Product name /Art. No. | GMOQuant HR Product name / Art. No. | GMOIdent RT Kits Product name / Art.No |
|----------------------------------|---------------------------------------|--|--|
| AquAdvantage™ Article No. | | | GMOIdent RT IPC Accelerated Growth Salmon 5421230601 |

Control DNA GMOs



| Product | Quantity | Article No. |
|---|---------------|-------------|
| Genomic DNA 3272 corn, 10% GMO, made from ERM BF420c (SYN-E3272-5) | 100 x 0,15 ml | 5211508101 |
| Genomic DNA Bt11 corn, 5% GMO, made from ERM BF412f (SYN-BT011-1) | 100 x 0,15 ml | 5211501001 |
| Genomic DNA Bt176 corn, 5% GMO, made from ERM BF411f (SYN-EV176-9) | 100 x 0,15 ml | 5211500701 |
| Genomic DNA CBH351 corn (ACS-ZM004-3) | 100 x 0,15 ml | 5211501301 |
| Genomic DNA GA21 corn, 5% GMO, made from ERM BF414f (MON-00021-9) | 100 x 0,15 ml | 5211501201 |
| Genomic DNA Herculex™ I TC 1507 corn, 10% GMO, from ERM BF418d (DAS-01507-1) | 100 x 0,15 ml | 5211507101 |
| Genomic DNA Herculex™ RW DAS-591227 corn, 10% GMO, made from ERM BF424b (DAS-59122-7) | 100 x 0,15 ml | 5211507201 |
| Genomic DNA MIR162 corn (SYN-IR162-4) | 100 x 0,15 ml | 5211516301 |
| Genomic DNA MIR604 corn DNA, 10% GMO, made from ERM BF-423d (SYN-IR604-5) | 100 x 0,15 ml | 5211506401 |
| Genomic DNA MON810 corn, 5% GMO, made from ERM BF413f (MON-00810-6) | 100 x 0,15 ml | 5211500901 |
| Genomic DNA MON863 corn, 10% GMO, made from ERM BF416d (MON-00863-5) | 100 x 0,15 ml | 5211502301 |
| Genomic DNA MON87460 corn (MON-87460-4) | 100 x 0,15 ml | 5211516401 |
| Genomic DNA MON88017 corn (MON-88017-3) | 100 x 0,15 ml | 5211512001 |
| Genomic DNA MON89034 corn (MON-89034-3) | 100 x 0,15 ml | 5211512101 |
| Genomic DNA NK603 corn, 5% GMO, made from ERM BF415f (MON-00603-6) | 100 x 0,15 ml | 5211508201 |
| Genomic DNA T25 corn (ACS-ZM003-2) | 100 x 0,15 ml | 5211500801 |
| Genomic DNA DAS-40278-9 (DAS-40278-9) corn 10% GMO, made from ERM BF433d | 100 x 0,15 ml | 5211521201 |
| Genomic DNA LLCotton25 (ACS-GH001-3) | 100 x 0,15 ml | 5211512401 |
| Genomic DNA MON1445 cotton (MON-01445-2) | 100 x 0,15 ml | 5211511301 |
| Genomic DNA MON15985 cotton (MON-15985-7) | 100 x 0,15 ml | 5211512201 |
| Genomic DNA MON531 cotton (MON-00531-6) | 100 x 0,15 ml | 5211512301 |
| Genomic DNA MON88913-8 cotton (MON-88913-8) | 100 x 0,15 ml | 5211511401 |
| Genomic DNA 281-24-236 x 3006-210-23 (Widestrike) cotton, 10% GMO, made from ERM BF422d | 100 x 0,15 ml | 5211512701 |
| Plasmid DNA pGSE625 (FP967 flax; for use with EURL method QL-CON-00-010) (CDC-FL001-2) | 100 x 0,15 ml | 5211509901 |
| Plasmid DNA pGSE644 (Sunup™ papaya) (e.g. for LMBG \$64 PCR and RT-PCR methods) | 100 x 0,15 ml | 5211515401 |
| Genomic DNA Sunup papaya (event 55-1) | 100 x 0,15 ml | 5211514801 |
| Plasmid DNA pGSE28 (Bt63 rice, for use with EURL method QL-CON-00-007) | 100 x 0,15 ml | 5211505001 |
| Plasmid DNA pGSE219 (LL62 rice, ACS-OS002-5), for use with EURL method QT-EVE-OS-002 | 100 x 0,15 ml | 5211508501 |
| Plasmid DNA pGSE220 (LL601 rice, for use with EURL method QL-EVE-OS-001) | 100 x 0,15 ml | 5211505401 |
| Genomic DNA MS8 rapeseed (ACS-BN005-8) | 100 x 0,15 ml | 5211507901 |
| Genomic DNA Rf3 rapeseed (ACS-BN003-6) | 100 x 0,15 ml | 5211512601 |
| Genomic DNA RT73 rapeseed (MON-00073-7) | 100 x 0,15 ml | 5211501701 |
| Genomic DNA T45 rapeseed (ACS-BN008-2) | 100 x 0,15 ml | 5211512501 |
| Genomic DNA DAS-68416-4 soy 10% GMO, made from ERM BF432d | 100 x 0,15 ml | 5211521001 |
| Genomic DNA DAS-44406-6 soy 10% GMO, made from ERM BF436e | 100 x 0,15 ml | 5211521101 |
| Genomic DNA DAS-81419 Soy | 100 x 0,15 ml | 5211524701 |
| Genomic DNA A2704-12 soy (ACS-GM005-3) | 100 x 0,15 ml | 5211511801 |
| Genomic DNA A5547-127 soy (ACS-GM006-4) | 100 x 0,15 ml | 5211512801 |

Control DNA GMOs

| Product | Quantity | Article No. |
|---|---------------------|--------------------------|
| Genomic DNA CV127 soy (BPS-CV127-9) | 100 x 0,15 ml | 5211515201 |
| Genomic DNA DP305423-1 soy (DP-305423-1) 10% GMO, made from CRM BF426d | 100 x 0,15 ml | 5211515101 |
| Genomic DNA DP356043-5 soy (DP-356043-5) 10% GMO, made from CRM BF425d | 100 x 0,15 ml | 5211515301 |
| Genomic DNA MON87701 soy (MON-87701-2) | 100 x 0,15 ml | 5211514501 |
| Genomic DNA MON89788 soy (MON-89788-1) | 100 x 0,15 ml | 5211511901 |
| Genomic DNA Roundup Ready™ soy 10% GMO, made from ERM BF410gk (GTS-40-3-2, MON-04032-6) 1 | 100 x 0,15 ml | 5211500601 |
| Genomic DNA H7-1 sugarbeet (KM-00071-4) 100% GMO, made from ERM BF419b | 100 x 0,15 ml | 5211507001 |
| Genomic DNA A2704-12 soy (ACS-GM005-3) | 10000 x 0,15 ml | 5211521301 |
| Genomic DNA A5547-127 soy (ACS-GM006-4) | 10000 x 0,15 ml | 5211521401 |
| Genomic DNA CV127 soy (BPS-CV127-9) | 10000 x 0,15 ml | 5211521501 |
| Genomic DNA MON87701 soy (MON-87701-2) | 10000 x 0,15 ml | 5211521601 |
| Genomic DNA MON89788 soy (MON-89788-1) | 10000 x 0,15 ml | 5211521701 |
| Genomic DNA Roundup Ready™ Soy 10% GMO, made from ERM BF410gk (GTS-40-3-2, MON-04032-6) | 10000 x 0,15 ml | 5211521801 |
| Genomic DNA DP305423-1 soy (DP-305423-1), 10% GMO, made from CRM BF426d | 10000 x 0,15 ml | 5211522001 |
| Genomic DNA DP356043-5 soy (DP-356043-5), 10% GMO, made from CRM BF425d | 10000 x 0,15 ml | 5211522101 |
| Genomic DNA MON810 maize (MON-00810-6) 5% GMO, made from ERM BF413f | 20 µL 10 x 20 µL | 5211513902 5211513920 |
| Genomic DNA T25 maize (ACS-ZM003-2) | 20 µL 10 x 20 µL | 5211514002 5211514020 |
| Genomic DNA RT73 rapeseed (MON-00073-7) | 20 µL 10 x 20 µL | 5211513602 5211513620 |
| Genomic DNA MS8 rapeseed (ACS-BN005-8) | 20 µL 10 x 20 µL | 5211513702 5211513720 |
| Genomic DNA Rf3 rapeseed (ACS-BN003-6) | 20 µL 10 x 20 µL | 5211513802 5211513820 |
| Genomic DNA LL62 rice (ACS-OS002-5) | 20 µL 10 x 20 µL | 5211514102 5211514120 |
| Genomic DNA MON4032-6 soy (MON-04032-6) 10% GMO, made from ERM BF410gk | 20 µL 10 x 20 µL | 5211514202 5211514220 |

Control DNA's Plant Species

| Product | Quantity | Article No. |
|--|---------------|-------------|
| Genomic DNA Almond (<i>Prunus dulcis</i>) | 100 x 0,15 ml | 5211516101 |
| Genomic DNA Brazil Nut (<i>Bertholletia excelsa</i>) | 100 x 0,15 ml | 5211516001 |
| Genomic DNA Corn/Maize (<i>Zea mays</i>) | 100 x 0,15 ml | 5211515601 |
| Genomic DNA Cotton (<i>Gossypium</i>) | 100 x 0,15 ml | 5211501801 |
| Genomic DNA Lupine (<i>Lupinus albus</i>) | 100 x 0,15 ml | 5211515901 |
| Genomic DNA Rapeseed/Canola (<i>Brassica napus</i>) | 100 x 0,15 ml | 5211515701 |
| Genomic DNA Rice (<i>Oryza sativa</i>) | 100 x 0,15 ml | 5211514601 |
| Genomic DNA Sesame (<i>Sesamum indicum</i>) | 100 x 0,15 ml | 5211515801 |
| Genomic DNA Soy (<i>Glycine max</i>) | 100 x 0,15 ml | 5211515501 |
| Genomic DNA Alfalfa (<i>Medicago sativa</i>) | 100 x 0,15 ml | 5211520403 |
| Genomic DNA Squash (<i>Cucurbita</i>) | 100 x 0,15 ml | 5211520303 |
| Genomic DNA Papaya (<i>Carica papaya</i>) | 100 x 0,15 ml | 5211520203 |
| Genomic DNA Soy (<i>Glycine max</i>) | 100 x 0,15 ml | 5211521901 |

Accessory Kits for Real-Time PCR

Verification Kits: If you would like to order a verification kit for one of our qualitative real-time PCR kits, *GMOScreen* or *GMOIdent*, please use the catalogue number of the respective kit and replace the last two digits by "99". Please note that the respective real-time PCR kit needs to be ordered separately. For more information regarding our verification kits, please contact us.

| Product | Product description | Article No. |
|--|---|-------------|
| Eurofins Color Compensation Kit FAM, HEX | Eurofins Color Compensation Kit for kits with FAM, HEX labelling (i.e. for <i>GMOScreen</i> RT IPC FMV/IPC) | 5427200200 |
| Eurofins Color Compensation Kit FAM, R6G | Eurofins Color Compensation Kit for kits with FAM, R6G labelling (i.e. for <i>GMOScreen</i> RT IPC CsVMV) | 5427200201 |
| Eurofins Color Compensation Kit FAM, HEX, Cy5 | Eurofins Color Compensation Kit for kits with FAM, HEX, Cy5 labelling | 5427200300 |
| Eurofins Color Compensation Kit FAM, JOE, Cy5 | Eurofins Color Compensation Kit for kits with FAM, JOE, Cy5 labelling (i.e. for <i>GMOScreen</i> RT IPC bar/pat) | 5427200301 |
| Eurofins Color Compensation Kit FAM, Cy5, R6G | Eurofins Color Compensation Kit for kits with FAM, Cy5, R6G labelling (i.e. for <i>GMOScreen</i>) RT IPC AgroBorder I/II or <i>DNAAnimal Screen</i> Halal IPC) | 5427200302 |
| Eurofins Color Compensation Kit FAM, R6G, ROX, Cy5 | Eurofins Color Compensation Kit for kits with FAM, R6G, ROX, Cy5 labelling (i.e. for <i>GMOScreen</i> RT IPC 35S/NOS/FMV) | 5427200401 |



ELISA Kits (GMO)



| Product name | Product description | Quantity | Article No. |
|---------------------------------|--|------------------|-------------|
| Cry1Ac/Ab ELISA kit | Corn/ cotton individual leaf, Seed | 1, 10, 50 or 100 | AID 007 |
| Cry2A ELISA kit | Corn/cotton individual leaf, Seed | 1, 10, 50 or 100 | AID 008 |
| CP4EPSPS (RR) ELISA kit | Cotton/Corn/Soybean individual leaf, seed | 1, 10, 50 or 100 | AID 011 |
| Cry1Ac/Cry2A combined ELISA kit | Cotton individual seed, leaf | 50 or 100 | AID 017 |
| PAT/bar ELISA kit | Cotton/Corn/Canola/Mustard individual leaf, seed | 1, 10, 50 or 100 | AID 018 |
| Vip3A ELISA kit | Cotton individual leaf, seed | 1, 10, 50 or 100 | AID 023 |
| PAT/pat ELISA kit | Cotton/Corn leaf, seed | 1, 10, 50 or 100 | AID 027 |
| Cry1F ELISA kit | Corn/Cotton individual leaf, seed | 1, 10, 50 or 100 | AID 004 |
| HPPD ELISA kit | Soybean/Cotton individual seed, | 1 or 10 | AID 021 |
| eCry3.1Ab ELISA kit | Corn leaf, seed, bulk grain | 10, 50 plates | AID 051 |
| Modified Cry3A ELISA kit | Corn leaf, seed, bulk grain | 10, 50 plates | AID 052 |
| Cry3Bb ELISA kit | Corn leaf, seed, bulk grain | 10, 50 plates | AID 053 |
| Vip ELISA kit | Corn leaf, seed, bulk grain | 10, 50 plates | AID 059 |

Lateral Flow Devices (GMO)



| Product name | Product description | Quantity | Article No. |
|---------------------------|--|------------|-------------|
| Cry1Ac LFS kit | Individual Cotton leaf, seed | 100 strips | AID 032 |
| Cry1F LFS kit | Individual Corn/Cotton leaf, seed | 100 strips | AID 033 |
| Cry2A LFS kit | Individual Corn/Cotton leaf, seed | 100 strips | AID 026 |
| Vip3A LFS kit | Individual Corn/Cotton leaf, seed | 100 strips | AID 031 |
| Cry1Ab LFS kit | Individual Corn leaf, seed | 100 strips | AID 041 |
| CP4EPSPS (RR) LFS kit | Individual Corn/Soybean leaf, seed | 100 strips | AID 025 |
| HPPD LFS kit | Individual Soybean, Cotton leaf, seed | 100 strips | AID 024 |
| PAT/Pat LFS kit | Individual Corn leaf, seed | 100 strips | AID 029 |
| Cry1Ac/Cry2A | Individual Cotton seed only | 100 strips | AID 037 |
| Cry1Ac/Cry2A | Individual Cotton seed, leaf | 100 strips | AID 038 |
| Cry1Ab/CP4EPSPS (RR) | Individual Corn leaf , seed | 100 strips | AID 036 |
| Cry1Ac/Cry2A/CP4EPSPS(RR) | Individual Cotton seed | 100 strips | AID 034 |
| Cry1Ac/Cry2A/CP4EPSPS(RR) | Individual Cotton seed/leaf | 100 strips | AID 035 |
| CP4EPSPS (RR) LFS kit | Individual Cotton leaf, seed | 100 strips | AID 039 |
| PAT/bar LFS kit | Individual mustard or canola leaf/seed | 100 strips | AID 049 |
| Modified Cry3A LFS kit | Individual Corn leaf and seed | 100 strips | AID 057 |
| Cry3Bb LFS kit | Individual Corn leaf and seed | 100 strips | AID 054 |

Lateral Flow Devices (GMO - AP Testing)



| Product name | Product description | Quantity | Article No. |
|------------------------------------|----------------------------|------------|-------------|
| CP4EPSPS (RR) LFS kit | Bulk soy bean grain (0.1%) | 100 strips | AID 040 |
| CP4EPSPS (RR) LFS kit | Bulk corn grain (0.1%) | 100 strips | AID 042 |
| CP4EPSPS (RR) LFS kit | Bulk cotton seeds (0.1%) | 100 strips | AID 043 |
| Cry1Ac LFS kit | Bulk cotton seeds (0.25%) | 100 strips | AID 044 |
| Cry1Ab LFS kit | Bulk corn grain (0.8%) | 100 strips | AID 045 |
| Cry2A LFS kit | Bulk cotton seeds (0.25%) | 100 strips | AID 046 |
| Cry2A LFS kit | Bulk corn grain (1%) | 100 strips | AID 047 |
| Vip3A LFS kit | Bulk corn grain (0.25%) | 100 strips | AID 048 |
| Cry1F LFS kit | Bulk corn grain (0.5 %) | 100 strips | AID 050 |
| eCry3A and Cry3Bb combined LFS kit | Corn bulk grain (0.5 %) | 100 strips | AID 058 |
| Cry3Bb LFS kit | Corn bulk grain (0.2%) | 100 strips | AID 060 |
| Cry34Ab1 LFS kit | Bulk grain corn (0.1%) | 100 strips | AID 062 |

Additional GMO ELISA Kits and Proteins



| Product | Product Format | Quantity | Article No. |
|-----------------|----------------|----------|-------------|
| Bt Cr1Ab/Cry1Ac | ELISA Plate | 96 tests | 510001 |
| Bt Cry1F | ELISA Plate | 96 tests | 510006 |
| CP4 EPSPS | ELISA Plate | 96 tests | 510101 |
| Cry1Ab | Protein | 10 ug | 300003 |
| Cry1Ac | Protein | 10 ug | 250020 |
| Cry1F | Protein | 10 ug | 250030 |
| Cry2A | Protein | 10 ug | 250040 |
| Cry3B | Protein | 10 ug | 250050 |
| Cry9C | Protein | 10 ug | 250060 |

DNA AND RNA EXTRACTION



Food, feed and seed laboratories are often faced with a number of challenges during the extraction of DNA. The high variability of samples types as well as inhibitory substance and low DNA yield can have detrimental impacts on the subsequent analytical methods, such as PCR testing. High-quality DNA is the prerequisite for the success of these methods, therefore it is crucial to select the right DNA extraction method optimised for your sample type. Our kit portfolio offers DNA extraction methods for a wide range of sample types.

DNA Extraction and Electrophoresis



| Product | Product description | Quantity | Article No. |
|---|--|--------------------|-------------|
| GENESpin | DNA extraction kit for 50 food or feed samples | 50 samples | 5224400605 |
| | | 10 x 50 samples | 5224400610 |
| | | 30 x 50 samples | 5224400630 |
| | | 50 x 50 samples | 5224400650 |
| Additional lysis buffer for GENESpin | 1000 ml buffer CF | 1000 ml | 5224701901 |
| Additional GENESpin Binding Buffer | 250 ml GENESpin Binding Buffer | 250 ml | 5224400704 |
| DNA Cleaning Columns | 100 DNA cleaning columns | 100 columns | 5224700310 |
| | | 5 x 100 columns | 5224700315 |
| | | 10 x 100 columns | 5224700311 |
| DNAExtractor | DNA extraction kit for 50 seed, grain, food or feed samples (solvents not included) | 50 samples | 5224700610 |
| Additional lysis buffer for DNAExtractor 3 | | 500 ml | 5224700205 |
| DNAExtractor Fat for lecithin, oil and fat | DNA extraction kit for 50 oil, fat or lecithin samples, solvents not incl. | 50 samples | 5224700710 |
| DNAExtractor Gelatin | DNA extraction kit for 50 gelatin samples. (solvents not included) | 50 samples | 5224701001 |
| Buffer EFG for emulsifier, fat and gelatin | | 2 x 50 ml | 5224700110 |
| DNAExtractor Honey (Qiagen/Retsch Tissue Lyser® needed) | DNA extraction kit for 50 honey/pollen samples | 50 samples | 5224700910 |
| DNA Length Standard pUC18 HAIII size marker 26 – 501 bp | Clean-up commodity extracts of food and feed samples containing aflatoxins, ochratoxins and zearalenon | 500 µL, 0.05 µg/µL | 5217720401 |
| RNase | | 5 mg/ml, 0.5 ml | 5216700201 |
| RNase | | 50 mg/ml, 1 ml | 5216700205 |
| Proteinase K, solution | | 20 mg/ml, 750 µL | 5226700101 |



VETERINARY DRUG RESIDUES AND ADDITIVES

Veterinary drugs are usually administered within animal husbandry to cure and to prevent diseases, to increase weight gain and to tranquilize animals during transportation. These drugs consist of a complex group of hundreds of substances belonging to different chemical classes and therapeutic areas i.e., antibiotics, antiparasitics, nonsteroidal anti-inflammatory drugs, growth promoters such as steroid hormones and betaagonists, and many others.

The widespread use of veterinary drugs in livestock is of great concern as their presence in edible products could induce severe consequences on human health: i.e., hepato- and nefro-toxicity, side effects, allergic reactions, sterility, cancer, and last but not the least, drug contaminated food can favor anti-microbial resistance.

Eurofins Technologies ELISA Kits to Detect Veterinary Drug Residues and Feed Additives

Eurofins Technologies provides broad support for the needs of the meat, dairy, aquaculture, animal husbandry, veterinary, and other industries. Products include ELISA for quantitative analysis and lateral flow tests for rapid analysis of substances in matrices such as meat, egg, milk, honey, fish, crustaceans, molluscs, and animal feed.

Analytes include:

Antimicrobials

- Sulfonamides (1, 2)
- Tetracyclines (1, 2)
- Quinolones (1, 2)
- Aminoglycosides
- Tylosin
- Chloramphenicol
- Nitrofurans metabolites (AOZ, AMOZ, SEM, AHD)
- Penicillin
- Ivermectin
- Salinomycin
- Monensin

Beta-agonists

- Clenbuterol

Steroids and RALs

- Zeranol
- Trenbolone
- 17-beta-estradiol
- Testosterone

Others

- Corticosteroids (1, 2)
- Ivermectin

(1) *B ZERO*[®] format available: virtual master curve calibration

(2) Broad range kit: this kit can recognize a wide number of drugs belonging to the same substance

Key Benefits of the VDR ELISA Kits

- *B ZERO*[®]: ELISA test kits with virtual calibration curve - the most cost effective offer available on the market
- *I' Screen*: ELISA test kits for the detection of low levels of drug residues as well as the presence of a number of structure-related contaminants

I' Screen Quantitative ELISA Test Kits



| Product | Target | Product description | No. of tests / Quantity | Article No. |
|-------------------------------------|---------------------|--|-------------------------|-------------|
| I' Screen SULFA QL | Sulfonamides family | Sensitive broad-range assay for the qualitative detection of all the principal sulfonamides used in zootechniques. Controls included in the kit. | 96 | HU0050015 |
| I' Screen SULFA | Sulfonamides family | Sensitive broad-range assay for the quantitative analysis of all the principal sulfonamides used in zootechniques. | 96 | HU0050003 |
| I' Screen STREPTO | Streptomycin | Sensitive assay for the quantitative detection of streptomycin and dihydrostreptomycin | 96 | HU0050013 |
| Milk Standard for I' Screen Strepto | | 1.5ml of Milk Standard | 1.5 ml | AB654 |
| I' Screen TYLOSIN | Tylosin | Sensitive assay for the quantitative analysis of tylosin A | 96 | AB620 |
| I' Screen CAP Total | Chloramphenicol | Sensitive assay for the simultaneous detection of chloramphenicol and chloramphenicol glucuronide in milk, urines and other matrices | 96 | AB600 |
| I' Screen CAP | Chloramphenicol | Sensitive assay for the quantitative detection of chloramphenicol in different matrices | 96 | HU0050001 |
| I' Screen CAP v2 | Chloramphenicol | Sensitive assay for the quantitative detection of chloramphenicol in seafood and other matrices | 96 | HU0050002 |
| I' Screen AOZ v2 | AOZ | Sensitive and specific assay for the quantitative detection of furazolidone metabolite - AOZ | 96 | HU0050009 |
| I' Screen SEM | | Quantitative detection of nitrofurazone metabolite (SEM) | 96 | HU0050010 |
| I' Screen AHD | AHD | Sensitive and specific assay for the quantitative detection of the nitrofurantoin metabolite 1-aminohydantoin (AHD) | 96 | HU0050011 |
| I' Screen AMOZ v2 | AMOZ | Sensitive and specific assay for the quantitative detection of furaltadone metabolite - AMOZ | 96 | HU0050012 |
| I' Screen QUINO | Fluoroquinolones | Sensitive broad-range assay for the quantitative research of all the regulated fluoroquinolones used in zootechniques. | 96 | HU0050004 |
| I' Screen 19-Nortestosterone | | Quantitative detection of 19-Nortestosterone | 96 | FA623 |
| I' Screen TREN B | | Sensitive assay for the quantitative detection of trenbolone | 96 | FA622 |
| I' Screen ZERANOL | Zeranol | Sensitive assay for the quantitative detection of zeranol | 96 | FA621 |
| I' Screen CORTICO | Corticosteroids | Broad-range assay for the research of corticosteroids | 96 | HU0050007 |
| β-agonists (clenbuterol) ELISA kit | Clenbuterol | Sensitive assay for the quantitative detection of clenbuterol | 96 | AA101 |

B ZERO® Quantitative ELISA Test Kit



| Product | Product description | No. of tests | Article No. |
|-------------------------|---|--------------|----------------|
| B ZERO® SULFA | Quantitative detection of Sulfonamides | 48 | HU0050006 |
| B ZERO® STREPTO | Quantitative detection of Streptomycin | 48 | AB658 |
| B ZERO® CORTICO | Quantitative detection of Corticosteroids | 48 | HU0050008 |
| B ZERO® QUINO | Quantitative detection of Quinolones | 48 | HU0050005 |
| B ZERO® TETRA / Epimers | Quantitative detection of Tetracyclines and their epimers | 48 96 | AB752 AB754 |

Other Kits to Detect Veterinary Drug Residues and Additives

| Product | Product Format | Quantity | Article No. |
|--|--------------------|----------|-------------|
| Chloramphenicol, ELISA, 96-test | Plate | 96 tests | 5113B |
| Enrofloxacin, ELISA, 96-test | Plate | 96 tests | 522511 |
| Fluoroquinolones, ELISA, 96-test | Plate | 96 tests | 52250BA |
| Gentamicin, ELISA, 96-test | Plate | 96 tests | 5111GEN1A |
| Histamine, ELISA, 96-test | Plate | 96 tests | 515168 |
| Ivermectin/Abamectin, ELISA, 96-test | Plate | 96 tests | 5142B |
| Maduramicin, ELISA, 96-test | Plate | 96 tests | 515790 |
| Melamine, ELISA, 96-test | Plate | 96 tests | 50005B |
| Melamine, Extraction Suspension, 500 mL | Extraction Diluent | 500 mL | 50005E |
| Melamine, Diluent, 250 mL | Sample Diluent | 250 mL | 50005D |
| Monensin, ELISA, 96-test | Plate | 96 tests | 515785 |
| Progesterone, Bovine Pregnancy (Milk/Serum/Plasma), ELISA, 96-test | Plate | 96 tests | 5081M |
| Salinomycin/Narasin, ELISA, 96-test | Plate | 96 tests | 515795 |
| Sulfamethoxazole (SMX), ELISA, 96-test | Plate | 96 tests | 522003 |
| Tetracyclines/Epimers, ELISA, 96-test | Plate | 96 tests | 52254BA |



VETERINARY DIAGNOSTICS



In industrial livestock production, operating conditions are optimized to achieve the highest production output while minimizing costs. Given the high density of livestock and the production pressure, the emergence of infectious diseases is a major risk, and therefore prevention and control measures are essential.

Our diagnostic kits support the animal health management with:

- Detecting and monitoring epidemiological risks,
- Supporting vaccines & treatment development,
- Controlling the quality of produced meat,
- Improving animal welfare.

Eurofins Ingenasa Veterinary Diagnostic Kits

Eurofins Technologies through its subsidiary Ingenasa provides a wide range of indirect, blocking or double antibody ELISA assays to detect viral and bacterial pathologies in both farm and companion animals. The broad catalogue of these serological assays include a total number of 80 infectious diseases that affect 9 different animal species.

The high specificity and sensibility of the ELISA kits prove to be ideal to support the animal health management and the eradication of disease.

- **Veterinary diagnostic kits for farming animals:** ELISA kits for the detection of specific antibodies in pigs, cattle, horses, sheep and goats.
- **Veterinary diagnostic kits for companion animals:** ELISA kits for the detection of specific antibodies in cats, dogs or rabbits.
- **Multispecies kits:** ELISA kits for the detection of antigens, specific antibodies or viruses in multiple species.

A line of diagnostic tools based on PCR techniques, both for conventional and real-time PCR platforms, is also available.

Key Benefits

- Easy and reliable tests, based on high quality reagents (recombinant antigens and monoclonal antibodies)
- Wide range of infectious diseases and animal species covered
- Different presentations available for the best adaptation to the requirements of each client

SEROLOGICAL ASSAYS

MULTISPECIES specialities



| Product | Product description | No. of tests | | Article No. |
|--------------------------|---|--|------------|----------------------------------|
| BRUCELLOSIS | | | | |
| INgezim Brucella Compac | Blocking ELISA for the detection of specific antibodies to Brucella spp. in ruminants and porcine serum samples. | 2 plates kit 5 plates kit | 192 480 | 10.BRU.K.3/2 10.BRU.K.3/5 |
| CRYPTOSPORIDIOSIS | | | | |
| INgezim Crypto CROM | LFA for the detection of Cryptosporidium antigen in biological samples (faeces from all species). | 12 individual devices 30 individual devices | 12 30 | 10.CRY.K.42/12 10.CRY.K.42/30 |
| GIARDIOSIS | | | | |
| INgezim Giardia CROM | LFA for the detection of Giardia antigen in biological samples (faeces from all species). | 12 individual devices 30 individual devices | 12 30 | 10.GIA.K.42/12 10.GIA.K.42/30 |
| INFLUENZA A | | | | |
| INgezim Influenza A | Blocking ELISA for the detection of specific antibodies to Influenza type A virus in serum samples from different species. | 2 plates kit 5 plates kit | 192 480 | 10.FLU.K.3/2 10.FLU.K.3/5 |
| ROTAVIROSI | | | | |
| INgezim Rotavirus DAS | Double antibody ELISA for the detection of Rotavirus (Type A) antigen in biological samples (faeces from all species). | 1 plate kit | 96 | 10.RT.K.2 |
| INgezim Rota CROM | LFA for the detection of Rotavirus (Type A) antigen in biological samples (faeces from all species). | 12 individual devices 30 individual devices | 12 30 | 10.RT.K.42/12 10.RT.K.42/30 |
| TUBERCULOSIS | | | | |
| INgezim Tuberculosis DR | Double recognition ELISA for specific antibodies detection to Mycobacterium bovis in serum samples from wild and domestic animals, except cattle. | 2 plates kit 5 plates kit | 192 480 | 10.TB.K.0/2 10.TB.K.0/5 |
| WEST NILE FEVER | | | | |
| INgezim West Nile Compac | Blocking ELISA for the detection of specific antibodies to WNV in birds and equine serum samples. | 2 plates kit 5 plates kit | 192 480 | 10.WNV.K.3/2 10.WNV.K.3/5 |

PORCINE specialities



| Product | Product description | No. of tests | | Article No. |
|--------------------------------------|--|------------------------------|------------|------------------------------|
| AUJESZKY DISEASE (ADV or PRV) | | | | |
| INgezim ADV TOTAL | Indirect ELISA for the detection of specific total antibodies to ADV (vaccinated and infected animals) in porcine serum samples. | 2 plates kit 5 plates kit | 192 480 | 11.ADV.K.1/2 11.ADV.K.1/5 |
| INgezim ADV gE Plus | Blocking ELISA for the detection of specific antibodies to ADV gE glycoprotein in porcine serum samples. | 2 plates kit 5 plates kit | 192 480 | 11.GEP.K.3/2 11.GEP.K.3/5 |
| INgezim ADV gB | Blocking ELISA for the detection of specific antibodies to ADV gB glycoprotein in porcine serum samples. | 2 plates kit 5 plates kit | 192 480 | 11.GB.K.3/2 11.GB.K.3/5 |
| CLASSICAL SWINE FEVER (CSFV) | | | | |
| INgezim CSF Compac | Blocking ELISA for the detection of specific antibodies to Clacisal Swine Fever Virus in porcine serum samples. | 2 plates kit 5 plates kit | 192 480 | 11.CSF.K.3/2 11.CSF.K.3/5 |
| AFRICAN SWINE FEVER (ASFV) | | | | |
| INgezim PPA DAS | Double antibody ELISA for the detection of ASFV antigen in biological samples. | 1 plate kit | 96 | 11.PPA.K.2 |

| Product | Product description | No. of tests | | Article No. |
|---|--|---|------------|-----------------------------------|
| INgezim ASF CROM Ag | LFA for the detection of ASFV antigen in porcine blood samples. | 30 individual devices 100 individual devices | 30 100 | 11.ASF.K.42/30 11.ASF.K.42/100 |
| INgezim ASFV-R | Immunoenzymatic assay based on indirect ELISA technique for the detection of specific antibodies to cp312 and p30 proteins of ASFV in serum, blood (fresh or on paper) and spleen exudate samples, from <i>swine and wild boar</i> . | 2 plates kit 5 plates kit | 192 480 | R.11.ASF.K1/2 R.11.ASF.K1/5 |
| INgezim PPA CROM Anticuerpo | LFA for the detection of specific antibodies to ASFV in porcine serum and whole blood samples. | 30 individual devices 100 individual devices | 30 100 | 11.PPA.K.41/30 11.PPA.K.41/100 |
| INgezim PPA Compac | Blocking ELISA for the detection of specific antibodies to ASFV in porcine serum samples. | 2 plates kit 5 plates kit | 192 480 | 11.PPA.K.3/2 11.PPA.K.3/5 |
| INgezim ASFV/CSFV CROM Ab | Specific antibodies against to classical swine fever and African swine fever virus | 25 individual devices | 25 | R.11.SFV.K41 |
| PORCINE BRUCELLOSIS | | | | |
| INgezim Brucella Porcina | Indirect ELISA for the detection of specific antibodies to Brucella suis in porcine serum samples. | 2 plates kit 5 plates kit | 192 480 | 11.BP.K.1/2 11.BP.K.1/5 |
| ERYSIPELAS | | | | |
| INgezim Mal Rojo | Indirect ELISA for the detection of specific antibodies to E. Rushiopathiae in porcine serum samples. | 2 plates kit 5 plates kit | 192 480 | 11.MR.K.1/2 11.MR.K.1/5 |
| GLÄSSER DISEASE | | | | |
| INgezim Haemophilus | Indirect ELISA for the detection of specific antibodies to Haemophilus parasuis in porcine serum samples. | 2+2 plates kit | 192 | 11.HPS.K.1/4 |
| ENZOOTIC PNEUMONIA | | | | |
| INgezim M. hyo Compac | Blocking ELISA for the detection of specific antibodies to Mycoplasma hyopneumoniae in porcine serum samples. | 2 plates kit 5 plates kit | 192 480 | 11.MHY.K.3/2 11.MHY.K.3/5 |
| PORCINE INFLUENZA | | | | |
| INgezim Influenza Porcina | Indirect ELISA for the detection of specific antibodies to SIV in porcine serum samples. | 2 plates kit 5 plates kit | 192 480 | 11.FLU.K.1/2 11.FLU.K.1/5 |
| PORCINE CIRCOVIRUS | | | | |
| INgezim PCV DAS | Double antibody ELISA for the detection of PCV2 antigen in Virus culture samples. | 1 plate kit | 96 | 11.CIR.K.2 |
| INgezim Circovirus IgM/IgG | Capture ELISA for the detection of specific IgMs and IgGs to PCV2 in porcine serum samples. | 2+2 plates kit | 192 | 11.PCV.K.2 |
| INgezim Circo IgG | Indirect ELISA for the detection of specific antibodies to PCV2 in porcine serum samples. | 2 plates kit 5 plates kit | 192 480 | 11.PCV.K.1/2 11.PCV.K.1/5 |
| PORCINE PARVOVIRUS (PPV) | | | | |
| INgezim PPV | Indirect ELISA for the detection of specific antibodies to PPV in porcine serum samples. | 2 plates kit 5 plates kit | 192 480 | 11.PPV.K.1/2 11.PPV.K.1/5 |
| INgezim PPV Compac | Blocking ELISA for the detection of specific antibodies to PPV in porcine serum samples. | 2 plates kit 5 plates kit | 192 480 | 11.PPV.K.3/2 11.PPV.K.3/5 |
| INgezim PPV DAS | Double antibody ELISA for the detection of PPV antigen in biological samples including virus cultures. | 1 plate kit | 96 | 11.PPV.K.2 |
| PORCINE CORONAVIROSI (PRCV) AND TRANSMISSIBLE GASTROENTERITIS (TGEV) | | | | |
| INgezim Corona Diferencial 2.0 | Blocking ELISA for the detection and differentiation of antibodies to TGEV and PRCV in porcine serum samples. | 2 plates kit 5 plates kit | 192 480 | 11.DIF.K.3/2 11.DIF.K.3/5 |
| INgezim TGEV 2.0 | Blocking ELISA for the detection of specific antibodies to TGEV in porcine serum samples. | 2 plates kit 5 plates kit | 192 480 | 11.TGE.K.3/2 11.TGE.K.3/5 |
| INgezim Coronavirus Porcino 2.0 | Blocking ELISA for the detection of specific antibodies to PRCV/TGEV in porcine serum samples. | 2 plates kit 5 plates kit | 192 480 | 11.PRC.K.3/2 11.PRC.K.3/5 |
| INgezim PEDV | Indirect ELISA for detection of specific antibodies to PEDV in porcine serum samples. | 2 plates kit 5 plates kit | 192 480 | 11.PED.K.1/2 11.PED.K.1/5 |
| PORCINE PLEUROPNEUMONIA | | | | |
| INgezim APP MIX | Indirect ELISA for the detection of antibodies against Actinobacillus pleuropneumoniae serotypes 1-2-9-11, 3-6-8-15 and 4-5-7 in porcine serum. | 6 plates kit | 576 | 11.APP.K1 |
| INgezim APP MIX 10,12 | Indirect ELISA for the detection of antibodies against Actinobacillus pleuropneumoniae serotypes 10 and 12 in porcine serum. | 2 plates kit | 192 | R.11.APX.K1 |

| Product | Product description | No. of tests | | Article No. |
|--|--|------------------------|-----|----------------|
| PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME (PRRSV) | | | | |
| INgezim PRRS DR | Double recognition ELISA for the detection of specific antibodies to PRRSV in porcine serum samples. | 2 plates kit | 192 | 11.PRS.K.0/2 |
| | | 5 plates kit | 480 | 11.PRS.K.0/5 |
| INgezim PRRS Universal | Indirect ELISA for the detection of specific antibodies to PRRSV (EU and US isolates) in porcine serum samples. | 2 plates kit | 192 | 11.PRU.K.1/2 |
| | | 5 plates kit | 480 | 11.PRU.K.1/5 |
| INgezim PRRS 2.0 | Indirect ELISA for the detection of specific antibodies to PRRSV (EU and US strains) in porcine serum samples. | 2 plates kit | 192 | 11.PR2.K.1/2 |
| | | 5 plates kit | 480 | 11.PR2.K.1/5 |
| PORCINE ROTAVIROSI | | | | |
| INgezim Rotavirus Porcino | Indirect ELISA for the detection of specific antibodies to Rotavirus (Type A) in porcine serum samples. | 2 plates kit | 192 | 11.RTP.K.1/2 |
| | | 5 plates kit | 480 | |
| PORCINE TUBERCULOSIS | | | | |
| INgezim TB porcine | Indirect ELISA for the detection of specific antibodies to Mycobacterium bovis in wild boar and pig serum. | 2 plates kit | 192 | 11.TBP.K.1/2 |
| | | 5 plates kit | 480 | 11.TBP.K.1/5 |
| INgezim Tuberculosis DR | Dual-recognition ELISA for the detection of Mycobacterium bovis-specific antibodies in serum, plasma, blood spots on filter paper and in small ruminant milk samples. Not suitable for cattle. | 2 plates | 192 | 10.TB.K.0/2 |
| | | 5 plates | 480 | 10.TB.K.0/5 |
| INgezim TB CROM Ab | Double recognition LFA for specific detection of Mycobacterium bovis antibodies in swine and wild boar blood and serum. | 30 individual devices | 30 | 11.TBP.K41/30 |
| | | 100 individual devices | 100 | 11.TBP.K41/100 |

RUMINANTS specialities



| Product | Product description | No. of tests | | Article No. |
|--|---|---------------------------------------|-----|---------------|
| BOVINE BESNOITIOSIS | | | | |
| INgezim Besnoitia | Indirect ELISA for the detection of specific antibodies to Besnoitia besnoiti in bovine serum samples. | 2 plates | 192 | 12.BES.K.1/2 |
| | | 5 plates | 480 | 12.BES.K.1/5 |
| BOVINE LEUKOSIS (BLV) | | | | |
| INgezim BLV Compac 2.0 | Blocking ELISA for the detection of specific antibodies to BLV in bovine serum samples and milk samples. | 2 plates kit | 192 | 12.BLV.K.3/2 |
| | | 5 plates kit | 480 | 12.BLV.K.3/5 |
| | | 10 plates kit | 960 | 12.BLV.K.3/10 |
| INgezim BLV Confirmación | Indirect ELISA for the confirmation of specific antibodies to BLV in bovine serum samples. | 5+5 plates kit | 192 | 12.BLV.K.1/5 |
| | | | 480 | |
| BOVINE RESPIRATORY SYNCYTIAL (BRSV) | | | | |
| INgezim BRSV Compac | Blocking ELISA for the detection of specific antibodies to BRSV in bovine serum samples. | 2 plates kit | 192 | 12.BRS.K.3/2 |
| | | 5 plates kit | 480 | 12.BRS.K.3/5 |
| BRUCELOSIS | | | | |
| INgezim Brucella Bovina Milk | Indirect ELISA for the detection of specific antibodies to Brucella in bovine milk samples (individual or tank samples) | 6 plates kit | 576 | 12.BB.K.1/6 |
| | | | | |
| INgezim Brucella Bovina 2.0 | Indirect ELISA for the detection of specific antibodies to Brucella in bovine serum samples (individual or pooled samples). | 2 plates kit | 192 | 12.BB2.K.1/2 |
| | | 5 plates kit | 480 | 12.BB2.K.1/5 |
| | | 10 plates kit | 960 | 12.BB2.K.1/10 |
| INgezim Brucella ovis | Indirect ELISA for the detection of specific antibodies to Brucella ovis in small ruminants serum samples. | 2 plates kit | 192 | 13.BO.K.1/2 |
| | | 5 plates kit | 480 | 13.BO.K.1/5 |
| INgezim Brucella Small Ruminants | Indirect ELISA for the detection of specific antibodies to Brucella in ruminants serum samples. | 2 plates kit | 192 | 13.BM.K.1/2 |
| | | 5 plates kit | 480 | 13.BM.K.1/5 |
| INgezim AGID | Agar Gel immuno-diffusion (AGID) assay for the detection of specific antibodies (infection Ab and no vaccination Ab) present in ruminant serum samples infected with Brucella abortus and melitensis. | 6 Agar plates with 14 wells per plate | 84 | 12.BB2.K.7/84 |
| | | | | |
| BOVINE ROTAVIROSI | | | | |
| INgezim Rotavirus Bovino | Indirect ELISA for the detection of specific antibodies to RTB (Type A) in ruminants serum samples. | 2 plates kit | 192 | 12.RT.K.1/2 |

| Product | Product description | No. of tests | | Article No. |
|--|--|-----------------------|-----|----------------|
| BLUE TONGUE (BTV) | | | | |
| INgezim BTV DR | Double recognition ELISA for the detection of specific antibodies to BTV in ruminants serum samples. | 2 plates kit | 192 | 12.BTV.K.0/2 |
| | | 5 plates kit | 480 | 12.BTV.K.0/5 |
| INgezim BTV DAS | Double antibody ELISA for the detection of BTV antigen in BTV culture samples (to evaluate the performance of the culturing). | 1 plate kit | 96 | 12.BTV.K.2 |
| INgezim BTV CROM | Indirect LFA for the detection of specific antibodies to BTV in ruminants serum samples. | 30 individual devices | 30 | 12.BTV.K.41/30 |
| INgezim BTV Compac 2.0 | Blocking ELISA for the detection of specific antibodies to BTV in bovine serum samples (individual samples). | 2 plates kit | 192 | 12.BTV.K.3/2 |
| | | 5 plates kit | 480 | 12.BTV.K.3/5 |
| MAEDI VISNA - CAPRINE ARTHRITIS ENCEPHALITIS | | | | |
| INgezim Maedi Screening | Indirect ELISA for the detection of specific antibodies to small ruminants Lentivirus. in small ruminants serum samples. | 2 plates kit | 192 | 13.SLS.K.1/2 |
| | | 5 plates kit | 480 | 13.SLS.K.1/5 |
| INgezim Maedi Confirmación | Indirect ELISA for the detection of specific antibodies to small ruminants Lentivirus in small ruminants serum samples. | 2+2 plates kit | 192 | 13.SLC.K.1 |
| BOVINE VIRAL DIARRHEA (BVDV) AND BORDER DISEASE VIRUS (BDV) | | | | |
| INgezim BVD DAS | Double antibody ELISA for the detection of BVDV/BDV antigen in ruminant serum blood and ear notch samples | 1 plate kit | 96 | 12.BVD.K.2/1 |
| | | 5 plate kit | 480 | 12.BVD.K.2/5 |
| INgezim PESTIVIRUS Compac | Blocking ELISA for the detection of specific antibodies to BVDV and BDV in ruminants serum samples. | 2 plates kit | 192 | 12.BVD.3/2 |
| | | 5 plates kit | 480 | 12.BVD.3/5 |
| INFECTIOUS BOVINE RHINOTRACHEITIS (IBRV) | | | | |
| INgezim IBR gE Compac | Blocking ELISA for the detection of specific antibodies to gE protein from Infectious bovine Rhinotracheitis Virus (IBRV) in bovine serum samples. | 2 plates kit | 192 | 12.IBE.K.3/2 |
| | | 5 plates kit | 480 | 12.IBE.K.3/5 |
| INgezim IBR Compac 2.0. | Blocking ELISA for the detection of specific antibodies to IBRV gB glycoprotein (total) in bovine serum samples. | 2 plates kit | 192 | 12.IBR.K.3/2 |
| | | 5 plates kit | 480 | 12.IBR.K.3/5 |
| INgezim IBR 2.0. | Indirect ELISA for the detection of specific antibodies to IBRV (total) in bovine serum, plasma and milk samples. | 2 plates kit | 192 | 12.IBR.K.1/2 |
| | | 5 plates kit | 480 | 12.IBR.K.1/5 |
| RIFT VALLEY FEVER (RVFV) | | | | |
| INgezim FVR Compac | Blocking ELISA for the detection of specific antibodies to RVFV in ruminants serum samples. | 2 plates kit | 192 | 13.FVR.K.3/2 |
| | | 5 plates kit | 480 | 13.FVR.K.3/5 |
| | | 10 plates kit | 960 | 13.FVR.K3/10 |
| INgezim FVR CROM | LFA for detection of specific antibodies to Rift Valley Fever Virus in ruminant serum. | 30 individual devices | 30 | 13.FVR.K41/30 |
| INgezim FVR IgM | Capture enzymatic immunoassay for the detection of specific antibodies (IgM) to RVFV in ruminants serum samples. | 2 plates kit | 192 | 13.FVR.K.2/2 |
| | | 5 plates kit | 480 | 13.FVR.K2/5 |
| BOVINE NEOSPOROSIS | | | | |
| INgezim Neospora 3.0. | Indirect ELISA for the detection of specific antibodies to Neospora caninum in bovine serum samples. | 2 plates kit | 192 | 12.NC.K.1/2 |
| | | 5 plates kit | 480 | 12.NC.K.1/5 |
| SCHMALLEMBERG DISEASE (SBV) | | | | |
| INgezim Schmallenberg Compac | Blocking ELISA for the detection of specific antibodies to Schmallenberg virus in ruminants serum samples. | 2 plates kit | 192 | 13.SBV.K.3/2 |
| | | 5 plates kit | 480 | 13.SBV.K.3/5 |
| PESTE DES PETITS RUMINANTS (PPRV) | | | | |
| INgezim PPR Compac | Blocking ELISA for the detection of specific antibodies to Peste des Petits Ruminants Virus in goats and sheep serum samples. | 2 plates kit | 192 | 13.PPR.K.3/2 |
| | | 5 plates kit | 480 | 13.PPR.K.3/5 |
| | | 10 plates kit | 960 | 13.PPR.K3/10 |

CANINE specialities



| Product | Product description | No. of tests | | Article No. |
|--|---|--|-----------|----------------------------------|
| CANINE CORONAVIRUS DISEASE (CCV) | | | | |
| INgezim Corona Canino | Indirect ELISA for the detection of specific antibodies to CCV in canine serum samples. | 1 plate kit | 96 | 15.CCV.K.1 |
| CANINE DISTEMPER (CDV) | | | | |
| INgezim Moquillo IgG | Indirect ELISA for the detection of specific antibodies to CDV (IgGs) in canine serum samples. | 1 plate kit | 96 | 15.CDG.K.1 |
| INgezim Moquillo IgM | Capture antibody ELISA for the detection of specific antibodies to CDV (IgMs) in canine serum samples. | 1 plate kit | 96 | 15.CDM.K.2 |
| CANINE PARVOVIRUS DISEASE (CPV) | | | | |
| INgezim Parvovirus IgM | Capture antibody ELISA for the detection of specific antibodies to CPV (IgMs) in canine serum samples. | 1 plate kit | 96 | 15.CPM.K.2 |
| INgezim CPV DAS | Double antibody ELISA for the detection of CPV antigens in biological samples (dog's faeces). | 1 plate kit | 96 | 15.CPV.K.2 |
| INgezim Parvo Canino | Indirect ELISA for the detection of specific antibodies to CPV in canine serum samples. | 1 plate kit | 96 | 15.CPV.K.1 |
| INgezim Parvo CROM | LFA for the detection of CPV antigen in canine serum samples. | 12 individual devices 50 individual devices | 12 50 | 15.CP2.K.42/12 15.CP2.K.42/50 |
| CANINE EHRLICHIOSIS | | | | |
| INgezim Ehrlichia | Indirect ELISA for the detection of specific antibodies to Ehrlichia canis in canine serum samples. | 1 plate kit 10 plates kit | 96 960 | 15.EHR.K.1 15.EHR.K.1/10 |
| INgezim Ehrlichia Vet | Indirect ELISA for the detection of specific antibodies to Ehrlichia canis in canine serum samples. | 32 wells kit | 32 | 15.EHR.K.8/32 |
| INgezim Ehrli CROM | Specific antibodies against to Ehrlichia canis | 12 individual devices 30 individual devices | 12 30 | 15.EHR.K.4/12 15.EHR.K.4/30 |
| CANINE LEISHMANIOSIS | | | | |
| INgezim Leishmania | Indirect ELISA for the detection of specific antibodies to Leishmania spp infantum in canine serum samples. | 1 plate kit 10 plates kit | 96 960 | 15.LSH.K.1 15.LSH.K.1/10 |
| INgezim Leishma CROM | LFA for detection of antibodies to LSH in canine serum samples. | 12 individual devices 50 individual devices | 12 50 | 15.LSH.K.41/12 15.LSH.K.41/50 |
| INgezim Leishmania Vet | Indirect ELISA for the detection of specific antibodies to Leishmania infantum in canine serum samples. | 32 wells kit | 32 | 15.LSH.K.8/32 |
| RABIES | | | | |
| E.I.A. Rabia | Double antibody enzymeimmunoassay for the quantification of rabies virus glycoprotein in infected cell culture samples. | 2 plates kit | 96 960 | 40.RAB.K.2 |
| LYME DISEASE - BORRELIA BURGDORFERI | | | | |
| INgezim Lyme CROM | Indirect LF for the detection of specific antibodies against to B. burgdogferi | 12 individual devices | 12 | 15.LY.K.4/12 |
| DIROFILARIA IMMITIS - HEARTWORM | | | | |
| INgezim Heart CROM | Indirect LF for the detection of dirofilaria immitis antigen | 12 Individual devices 30 Individual devices | 12 30 | 15.HW.K.4/12 15.HW.K.4/30 |

RABBIT specialities



| Product | Product description | No. of tests | | Article No. |
|---|---|--------------|-----|--------------|
| MYXOMATOSIS | | | | |
| INgezim Myxomatosis | Indirect ELISA for the detection of specific antibodies to Myxomatosis virus in rabbit serum samples. | 2 plates kit | 192 | 17.MIX.K.1/2 |
| RABBIT HAEMORRHAGIC DISEASE (RHDV) | | | | |
| INgezim RHDV | Indirect ELISA for the detection of specific antibodies to RHDV in rabbit serum samples. | 2 plates kit | 192 | 17.RHD.K.1/2 |
| INgezim RHDV DAS | Double antibody ELISA for the detection of RHDV antigen in rabbit liver and other biological samples. | 1 plate kit | 96 | 17.RHD.K.2 |

FELINE specialities



| Product | Product description | No. of tests | | Article No. |
|--------------------------------------|---|--|----------|----------------------------------|
| FELINE CORONAVIRUS (FCV) | | | | |
| INgezim Corona Felino | Indirect ELISA for the detection of specific antibodies to FCV in feline serum samples. | 1 plate kit | 96 | 16.FCV.K.1 |
| INgezim FCoV IC | LFA for detection of specific antibodies to FCV in serum and blood samples. | 12 individual devices | 12 | 16.FCV.K.41/12 |
| FELINE IMMUNODEFICIENCY (FIV) | | | | |
| INgezim FIV | Indirect ELISA for the detection of specific antibodies to FIV in feline serum samples. | 1 plate kit | 96 | 16.FIV.K.1 |
| INgezim FIV Vet | Indirect ELISA for the detection of specific antibodies to FIV in feline serum samples. | 32 wells kit | 32 | 16.FIV.K.8/32 |
| INgezim FIV Crom | LFA for the detection of specific antibodies to FIV in feline serum and blood samples. | 12 individual devices 30 individual devices | 12 30 | 16.FI2.K.41/12 16.FI2.K.41/30 |
| FELINE LEUKAEMIA (FeLV) | | | | |
| INgezim FeLV | Indirect ELISA for the detection of specific antibodies to FeLV gp70 in feline serum samples. | 1 plate kit | 96 | 16.FLV.K.1 |
| INgezim FeLV CROM | LFA for detection of FeLV (p27) antigen in feline serum samples. | 12 individual devices 30 individual devices | 12 30 | 16.FLV.K.42/12 16.FLV.K.42/30 |
| INgezim FeLV DAS | Double antibody ELISA for the detection of FeLV (p27) antigen in feline serum samples. | 1 plate kit | 96 | 16.FLV.K.2 |
| INgezim FeLV Vet | Double antibody ELISA for the detection of FeLV (p27) antigen in feline serum samples. | 32 wells kit | 32 | 16.FLV.K.9/32 |

EQUINE specialities



| Product | Product description | No. of tests | | Article No. |
|--|---|------------------------------|------------|------------------------------|
| AFRICAN HORSE SICKNESS (AHSV) | | | | |
| INgezim AHSV Compac Plus | Blocking ELISA for the detection of specific antibodies to AHSV in equine serum samples. | 2 plates kit | 192 | 14.AHS.K.3/2 |
| | | 5 plates kit | 480 | 14.AHS.K.3/5 |
| INgezim PEA DAS | Double antibody ELISA for the detection of specific AHSV antigen in equine biological samples (speren and tissues). | 1 plate kit | 96 | 14.PEA.K.2 |
| INgezim AHSV CROM Anticuerpo | LFA for the detection of specific antibodies to AHSV in equine serum samples. | 30 individual devices | 30 | 14.AHS.K.41/30 |
| EQUINE INFECTIOUS ANEMIA (EIAV) | | | | |
| INgezim Anemia DR | Double recognition ELISA for the detection of specific antibodies to EIAV in equine serum samples. | 2 plates kit | 192 | 14.AIE.K.0/2 |
| INgezim Anemia CROM | LFA for the detection of specific antibodies to EIAV in equine serum samples. | 30 individual devices | 30 | 14.AIE.K.41/30 |
| EQUINE ARTERITIS (EAV) | | | | |
| INgezim Arteritis 2.0 | Indirect ELISA for the detection of specific antibodies to EAV in equine serum samples. | 2+2 plates kit | 192 | 14.EA2.K.1/4 |
| EQUINE RHINOPNEUMONITIS | | | | |
| INgezim Rinoneumonitis | ELISA for the detection of specific antibodies to Equine herpesvirus (EHV) subtypes 1 & 4 in equine serum samples | 2 plates kit 5 plates kit | 192 480 | 14.HVE.K.1/2 14.HVE.K.1/5 |
| WEST NILE FEVER (WNV) | | | | |
| INgezim West Nile IgM | Capture antibody ELISA for the detection of specific IgMs to WNV in equine serum samples. | 1+1 plates kit | 96 | 14.WNV.K.2 |



MOLECULAR BIOLOGY ASSAYS

PCR kits for MULTISPECIES infectious agents



| Product name | Method | No. of tests | Article No. |
|------------------------------------|-----------------------------------|--------------|----------------|
| BRUCELLA | | | |
| INgene q Brucella Typing | Real Time PCR (TaqMan technology) | 100 | 10.BRM.K.5TC/Q |
| INgene q Brucella Typing ROX | Real Time PCR (TaqMan technology) | 100 | 10.BRM.K.5TX/Q |
| INgene BRUCE-LADDER V | Conventional PCR | 50 | 10.BRU.K.5/50 |
| INgene q Brucella | Real Time PCR (TaqMan technology) | 100 | 10.BRU.K.5TX/Q |
| MYCOPLASMA SPP | | | |
| INgene Mycoplasma | Conventional PCR | 50 | 10.MYC.K5/50 |
| PESTIVIRUS | | | |
| INgene Pestivirus | Conventional PCR | 50 | 10.PES.K5/50 |
| INgene q Pestivirus SYBR detection | Real Time PCR (SYBR technology) | 100 | 10.PES.K.5SX/Q |

PCR kits for PORCINE infectious agents



| Product name | Method | No. of tests | Article No. |
|--|-----------------------------------|--------------|----------------|
| AFRICAN SWINE FEVER (ASFV) | | | |
| Ingene q PPA | Real Time PCR (TaqMan technology) | 100 | 11.PPA.K.5TX/Q |
| BRUCELLA | | | |
| INgene BRUCE-LADDER SUIS | Conventional PCR | 50 | 11.BSu.K.5/50 |
| SPIROCHETES | | | |
| INgene Espiroquetas Duplex | Conventional PCR | 50 | 11.BHP.K.5/50 |
| LAWSONIA (EPP) | | | |
| INgene Lawsonia | Conventional PCR | 50 | 11.EPP.K.5/50 |
| INgene q Lawsonia | Real Time PCR (TaqMan technology) | 100 | 11.EPP.K.5TX/Q |
| PORCINE CIRCOVIRUS (PCV2) | | | |
| INgene Circovirus | Conventional PCR | 50 | 11.PCV.K.5/50 |
| INgene q Circovirus | Real Time PCR (TaqMan technology) | 100 | 11.PCV.K.5TX/Q |
| PORCINE PARVOVIRUS | | | |
| INgene PPV | Conventional PCR | 50 | 11.PPV.K.5/50 |
| INgene q PPV | Real Time PCR (SYBR technology) | 100 | 11.PPV.K.5SX/Q |
| PORCINE CORONAVIRUS (PRCV/TGEV) | | | |
| INgene TGE/PRC | Conventional PCR | 50 | 11.TGE.K.5/50 |
| PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME (PRRSV) | | | |
| INgene Universal PRRS | Conventional PCR | 50 | 11.PRU.K5/50 |
| INgene q PRRS | Real Time PCR (SYBR technology) | 100 | 11.PRU.K.5SX/Q |
| PRRSV/PCV | | | |
| INgene PRRS-PCV Duplex | Conventional PCR | 50 | 11.RED.K.5/50 |

PCR kits for RUMINANTS infectious agents



| Product name | Method | No. of tests | Article No. |
|---|-----------------------------------|--------------|----------------|
| INFECTIOUS BOVINE RHINOTRACHEITIS VIRUS (IBRV) | | | |
| INgene IBR | Conventional PCR | 50 | 12.IBR.K5/50 |
| INgene q IBR | Real Time PCR (TaqMan technology) | 100 | 12.IBR.K.5TX/Q |

PCR kits for AVIAN infectious agents

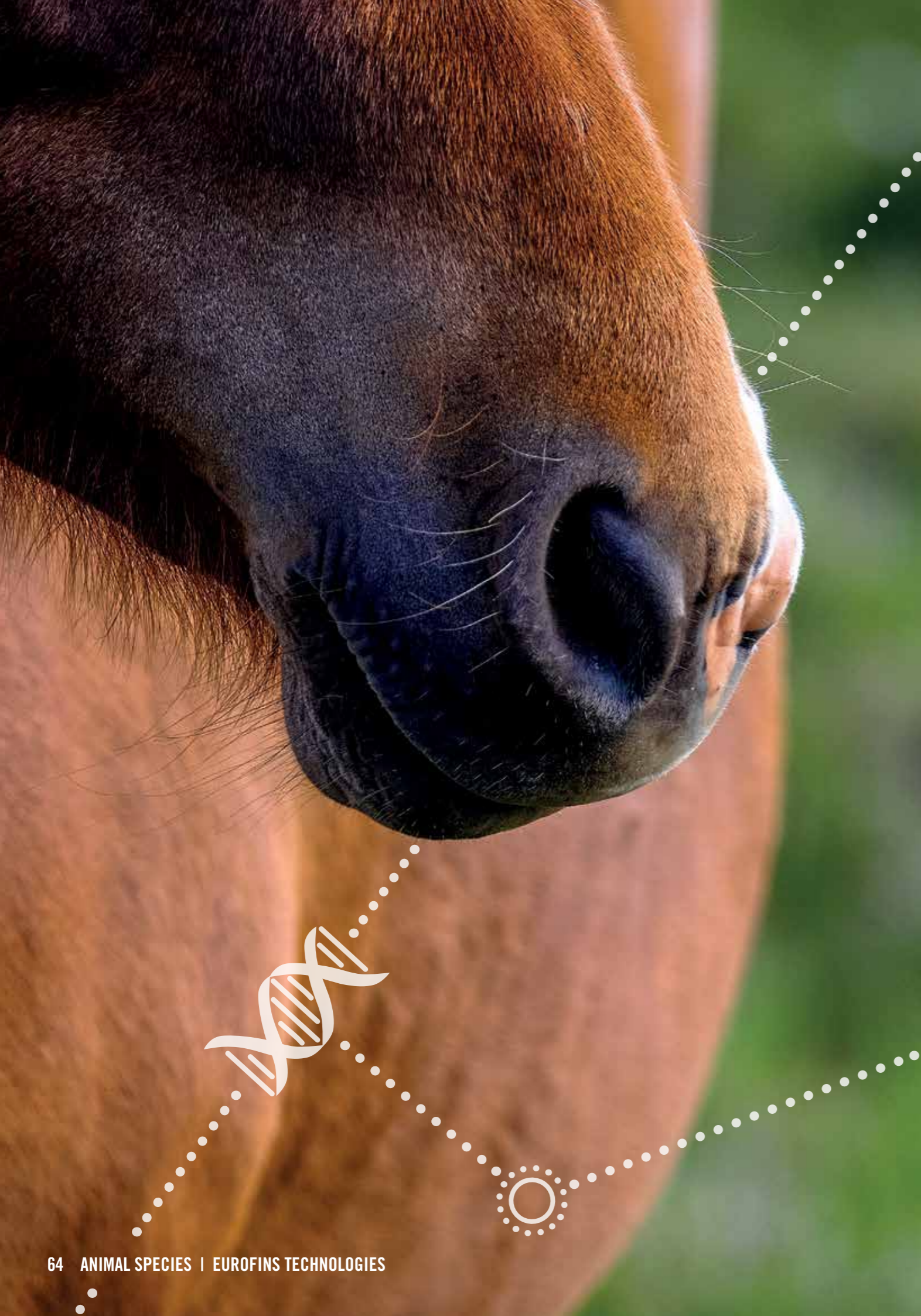


| Product name | Method | No. of tests | Article No. |
|---|-----------------------------------|--------------|----------------|
| CAMPYLOBACTER | | | |
| INgene Campylobacter Nested | Conventional PCR | 50 | 18.CAM.K.5/50 |
| INgene q Campylobacter | Real Time PCR (SYBR technology) | 100 | 18.CAM.K.5SX/Q |
| INFECTIOUS BURSAL DISEASE VIRUS (GUMBORO-IBDV) | | | |
| INgene Gumboro Nested | Conventional PCR | 50 | 18.IBD.K.5/50 |
| INgene q Gumboro | Real Time PCR (SYBR technology) | 100 | 18.IBD.K.5SX/Q |
| INFECTIOUS BRONCHITIS VIRUS (IBV) | | | |
| INgene IBV | Conventional PCR | 50 | 18.IBV.K.5/50 |
| INgene q IBV | Real Time PCR (SYBR technology) | 100 | 18.IBV.K.5SX/Q |
| LARYNGOTRACHEITIS INFECTIOUS VIRUS (ILTIV) | | | |
| INgene Laryngotracheitis | Conventional PCR | 50 | 18.ILT.K.5/50 |
| INgene q Laryngotracheitis | Real Time PCR (SYBR technology) | 100 | 18.ILT.K.5SX/Q |
| MYCOPLASMA GALLISEPTICUM | | | |
| INgene Mycoplasma gallisepticum MGC2 | Conventional PCR | 50 | 18.MGC.K.5/50 |
| INgene Mycoplasma gallisepticum | Conventional PCR | 50 | 18.MYG.K.5/50 |
| INgene q Mycoplasma gallisepticum | Real Time PCR (TaqMan Technology) | 100 | 18.MYG.K.5TX/Q |
| MYCOPLASMA GALLISEPTICUM / SYNOVIAE | | | |
| INgene Mycoplasma Duplex | Conventional PCR | 50 | 18.MGS.K.5/50 |
| INgene q Mycoplasma Duplex | Real Time PCR (TaqMan Technology) | 100 | 18.MGS.K.5TX/Q |
| MYCOPLASMA SYNOVIAE | | | |
| INgene Mycoplasma synoviae | Conventional PCR | 50 | 18.MYS.K.5/50 |
| INgene q Mycoplasma synoviae | Real Time PCR (TaqMan Technology) | 100 | 18.MYS.K.5TX/Q |
| INgene q DMS VlhA SYBR Detection | Real Time PCR (SYBR technology) | 100 | 18.DMS.K.5SX/Q |
| SALMONELLA SPP. | | | |
| INgene Salmonella | Conventional PCR | 50 | 18.SAL.K.5/50 |
| INgene q Salmonella | Real Time PCR (TaqMan technology) | 100 | 18.SAL.K.5TX/Q |

PCR kits for CANINE infectious agents



| Product name | Method | No. of tests | Article No. |
|-------------------------------------|-----------------------------------|--------------|----------------|
| CANINE DISTEMPER VIRUS (CDV) | | | |
| INgene Moquillo | Conventional PCR | 50 | 15.CDV.K.5/50 |
| INgene q Moquillo | Real Time PCR (TaqMan technology) | 100 | 15.CDV.K.5TX/Q |
| CANINE PARVOVIRUS (CPV) | | | |
| INgene CPV | Conventional PCR | 50 | 15.CPV.K.5/50 |
| INgene q CPV | Real Time PCR (SYBR technology) | 100 | 15.CPV.K.5SX/Q |
| LEISHMANIA | | | |
| INgene Leishmania | Conventional PCR | 50 | 15.LSH.K.5/50 |
| INgene q Leishmania | Real Time PCR (TaqMan technology) | 100 | 15.LSH.K.5TX/Q |



ANIMAL SPECIES



Animal species identification in food and feed products has grown in importance due to public health, economic and legal concerns. Even religious and ethical criteria can be at risk in the case of food adulteration. To verify the authenticity of products, food testing laboratories need reliable methods, which can answer these questions.

The application of specific methods can determine if lower-priced substitutes replace premium products such as chicken instead of turkey or cow milk instead of goat milk. Confidence that vegetarian or vegan food contains no trace of animal products is essential to brand integrity.

Eurofins GeneScan DN*Animal* Kits

The DN*Animal* product line offers a broad spectrum of sensitive real-time PCR kits for the most domestic animal species as well as specific applications like halal testing.

Most DN*Animal* kits detect the species or taxonomic group in question with a sensitivity of 0.01%. Some specific kits (e.g. the DN*Animal Ident* Pig HS) detecting mitochondrial targets are even more sensitive.

DN*Animal* Screen

- Kits cover different taxonomic groups
- Application for various food and feed relevant testing strategies, i.e. to test vegan or vegetarian food

DN*Animal Ident*

- For *identifying* or excluding individual animal species

Key Benefits

- Kits are validated on industry-leading thermocyclers
- Contain an IPC (internal positive control) to exclude false-negative results
- Have undergone extensive specificity and sensitivity validation
- Produce robust and reliable results
- DNA extraction kits available for different matrices

Additional Products and Services

- DNA extraction kits for different matrices, even for highly processed matrices such as pure gelatin
- Animal species DNA as positive control DNA and meat testing standards with defined percentages
- From online courses to in-house training, a dedicated team is available to provide assistance

DNAnimal Kits



| Product | Product description | No. of reactions | Article No. |
|---|--|------------------|-------------|
| DNAnimal Screen Halal IPC (LR) Kit for simultaneous RT-PCR detection of pork and horse/donkey DNA | 96 multiplex real-time PCR reactions with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7500/Fast, MX3005P/MX3000P, AriaMX, CFX96 and LC480. | 96 | 5422221210 |
| DNAnimal Screen Mammal & Bird IPC Kit for detection of mammalian and avian DNA | 96 real-time PCR rxns with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7900, ABI7500/Fast, MX3005P/MX3000P, AriaMX, CFX96 and LC480. | 96 | 5422212110 |
| DNAnimal Screen Ruminant IPC Kit for detection of ruminant DNA | 96 real-time PCR rxns with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7900, ABI7500/Fast, MX3005P/ MX3000P, CFX96 and LC480. | 96 | 5422221110 |
| DNAnimal Screen Fish IPC Kit for detection of fish DNA | 96 real-time PCR rxns with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7900, ABI7500/Fast, MX3005P/MX3000P and AriaMX. | 96 | 5422211310 |
| DNAnimal Screen Bird IPC Kit for detection of avian DNA | 96 real-time PCR rxns with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7900, ABI7500/Fast, MX3005P/MX3000P and LC480. | 96 | 5422211410 |
| DNAnimal Ident Beef IPC Kit for identification of bovine DNA (detects besides Bos taurus also bison and several other Bos species) | 96 real-time PCR rxns with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7900, ABI7500/Fast, MX3005P/MX3000P, AriaMX, CFX96 and LC480. | 96 | 5422220610 |
| DNAnimal Ident Pork IPC Kit for identification of porcine DNA (both, Sus scrofa domestica and scrofa) | 96 real-time PCR rxns with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7900, ABI7500/Fast, MX3005P/MX3000P, AriaMX, CFX96 and LC480. | 96 | 5422211910 |
| DNAnimal Ident Pig HS IPC (LR) High Sensitivity kit for identification of porcine DNA (both, Sus scrofa domestica and scrofa) in low DNA samples (e.g. gelatin) | 96 real-time PCR rxns with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7500/Fast, MX3005P/MX3000P and LC480. Intended for use with DNAExtractor Gelatin kit. | 96 | 5422211810 |
| DNAnimal Ident Meat IPC Kit for identification of bovine and porcine DNA | 2x48 real-time PCR rxns with IPC, all reagents and positive control DNA included. Validated for ABI7900, ABI7500/Fast, MX3005P/MX3000P, AriaMX, CFX96 and LC480. | 2 x 48 | 5422212010 |
| DNAnimal Ident Chicken IPC (LR) Kit for identification of chicken (Gallus gallus) DNA | 96 real-time PCR rxns with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7500/Fast, MX3005P/ MX3000P, AriaMX, CFX96 and LC480. | 96 | 5422221010 |
| DNAnimal Ident Duck IPC Kit for identification of duck (Anas platyrhynchos and Cairina moschata) DNA | 96 real-time PCR rxns with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7900, ABI7500/Fast, MX3005P/ MX3000P, LC480, AriaMX, CFX96 | 96 | 5422220410 |
| DNAnimal Ident Goose IPC Kit for identification of goose DNA | 96 real-time PCR rxns with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7900, ABI7500/Fast, MX3005P/3000P, LC480, AriaMX, CFX96 | 96 | 5422220810 |
| DNAnimal Ident Turkey IPC Kit for identification of turkey DNA | 96 real-time PCR rxns with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7900, ABI7500/Fast, MX3005P/3000P and LC480. | 96 | 5422211510 |
| DNAnimal Ident Goat IPC Kit for identification of goat DNA | 96 real-time PCR rxns with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7900, ABI7500/Fast, MX3005P/3000P and LC480. | 96 | 5422211610 |
| DNAnimal Ident Sheep IPC Kit for identification of sheep DNA | 96 real-time PCR rxns with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7900, ABI7500/Fast, MX3005P/3000P, AriaMX, CFX96, LC480. | 96 | 5422211710 |
| DNAnimal Ident Horse IPC (LR) Kit for identification of horse DNA | 96 real-time PCR rxns with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7500/Fast, CFX96, AriaMX, MX3005P/ MX3000P. | 96 | 5422220110 |
| DNAnimal Ident Water Buffalo IPC (LR) Kit for identification of water buffalo DNA | 96 real-time PCR rxns with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7500/Fast, LC480, MX3005P/3000P. | 96 | 5422220910 |
| DNAnimal Ident Donkey (LR) Kit for identification of donkey DNA. | 96 real-time PCR reactions, all reagents and controls included, for up to 46 samples. Validated for ABI7500/Fast and MX3005P/MX3000P. | 96 | 5422220210 |

Meat Standards



| Product | Product description | Quantity | Article No. |
|--|-----------------------------------|---------------|-------------|
| 1% w/w horse in beef meat standard i.e. for threshold testing according to EURL-AP | 2,0 +/- 0,1 g minced meat, frozen | 2,0 +/- 0,1 g | 5122700102 |
| 1% w/w pork in beef meat standard i.e. for threshold testing | 2,0 +/- 0,1 g minced meat, frozen | 2,0 +/- 0,1 g | 5122700202 |
| 0,1% w/w pork in beef meat standard i.e. for threshold testing | 2,0 +/- 0,1 g minced meat, frozen | 2,0 +/- 0,1 g | 5122700302 |
| 1% w/w beef in pork meat standard i.e. for beef threshold testing | 2,0 +/- 0,1 g minced meat, frozen | 2,0 +/- 0,1 g | 5122700502 |

Control DNAs

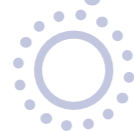


| Product | Quantity | Article No. |
|---|-------------------|-------------|
| Genomic DNA Atlantic Cod (<i>Gadus morhua</i>) | 0.2 ml [1 ng/μL] | 5222582704 |
| Genomic DNA Atlantic Halibut (<i>Hippoglossus hippoglossus</i>) | 0.2 ml [1 ng/μL] | 5222582804 |
| Genomic DNA Cat (<i>Felis silvestris</i>) | 0.2 ml [1 ng/μL] | 5222580804 |
| Genomic DNA Cattle (<i>Bos taurus</i>) | 0.2 ml [1 ng/μL] | 5222581304 |
| Genomic DNA Cattle (<i>Bos taurus</i>) | 150 μL [10 ng/μl] | 5222581306 |
| Genomic DNA Chicken (<i>Gallus gallus</i>) | 0.2 ml [1 ng/μL] | 5222580504 |
| Genomic DNA Dog (<i>Canis lupus familiaris</i>) | 0.2 ml [1 ng/μL] | 5222580604 |
| Genomic DNA Duck | 0.2 ml [1 ng/μL] | 5222582404 |
| Genomic DNA Fallow Deer (<i>Dama dama</i>) | 0.2 ml [1 ng/μL] | 5222580404 |
| Genomic DNA Goat (<i>Capra hircus</i>) | 0.2 ml [1 ng/μL] | 5222581804 |
| Genomic DNA Goose (<i>Anser</i>) | 0.2 ml [1 ng/μL] | 5222580204 |
| Genomic DNA Hare (<i>Lepus europaeus</i>) | 0.2 ml [1 ng/μL] | 5222580304 |
| Genomic DNA Horse (<i>Equus caballus</i>) | 0.2 ml [1 ng/μL] | 5222581004 |
| Genomic DNA Human (<i>Homo sapiens</i>) | 0.2 ml [1 ng/μL] | 5222580904 |
| Genomic DNA Kangaroo (<i>Macropus rufus</i>) | 0.2 ml [1 ng/μL] | 5212583204 |
| Genomic DNA Ostrich (<i>Struthio camelus</i>) | 0.2 ml [1 ng/μL] | 5222582104 |
| Genomic DNA Pig (<i>Sus scrofa domestica</i>) | 0.2 ml [1 ng/μL] | 5222581504 |
| Genomic DNA Rabbit (<i>Oryctolagus cuniculus</i>) | 0.2 ml [1 ng/μL] | 5222580704 |
| Genomic DNA Red Deer (<i>Cervus elaphus</i>) | 0.2 ml [1 ng/μL] | 5222581904 |
| Genomic DNA Roe Deer (<i>Capreolus capreolus</i>) | 0.2 ml [1 ng/μL] | 5222581204 |
| Genomic DNA Saithe/Pollock (<i>Pollachius virens</i>) | 0.2 ml [1 ng/μL] | 5222582604 |
| Genomic DNA Sika Deer (<i>Cervus nippon</i>) | 0.2 ml [1 ng/μL] | 5222582204 |
| Genomic DNA Sheep (<i>Ovis aries</i>) | 0.2 ml [1 ng/μL] | 5222581404 |
| Genomic DNA Springbok (<i>Antidorcas marsupialis</i>) | 0.2 ml [1 ng/μL] | 5222581604 |
| Genomic DNA Turkey (<i>Meleagris gallopavo</i>) | 0.2 ml [1 ng/μL] | 5222581104 |
| Genomic DNA Water Buffalo (<i>Bubalus bubalis</i>) | 0.2 ml [1 ng/μL] | 5222580004 |
| Genomic DNA Water Buffalo (<i>Bubalus bubalis</i>) | 150 μL [10 ng/μl] | 5222580006 |
| Genomic DNA Wild Boar (<i>Sus scrofa scrofa</i>) | 0.2 ml [1 ng/μL] | 5222581704 |

Control DNAs



| Product | Quantity | Article No. |
|---|------------------------|-------------|
| Genomic DNA Atlantic Halibut (<i>Hippoglossus hippoglossus</i>) | 150 µL [100 copies/µL] | 5212582401 |
| Genomic DNA Bison (<i>Bison bison</i>) | 150 µL [100 copies/µL] | 5212583401 |
| Genomic DNA Cattle (<i>Bos taurus</i>) | 150 µL [100 copies/µL] | 5212581301 |
| Genomic DNA Chamoise (<i>Rupicapra rupicapra</i>) | 150 µL [100 copies/µL] | 5212583501 |
| Genomic DNA Chicken (<i>Gallus gallus</i>) | 150 µL [100 copies/µL] | 5212580501 |
| Genomic DNA Donkey (<i>Equus asinus</i>) | 150 µL [100 copies/µL] | 5212582801 |
| Genomic DNA Duck | 150 µL [100 copies/µL] | 5212582501 |
| Genomic DNA Fallow Deer | 150 µL [100 copies/µL] | 5212580401 |
| Genomic DNA Gemsbok (<i>Oryx gazella</i>) | 150 µL [100 copies/µL] | 5212583701 |
| Genomic DNA Gnu (<i>Connochaetes</i>) | 150 µL [100 copies/µL] | 5212583801 |
| Genomic DNA Goat (<i>Capra hircus</i>) | 150 µL [100 copies/µL] | 5212581801 |
| Genomic DNA Horse (<i>Equus caballus</i>) | 150 µL [100 copies/µL] | 5212582901 |
| Genomic DNA Kudu (<i>Tragelaphus</i>) | 150 µL [100 copies/µL] | 5212584001 |
| Genomic DNA Pig (<i>Sus scrofa domestica</i>) | 150 µL [100 copies/µL] | 5212581501 |
| Genomic DNA Pigeon (<i>Columba livia</i>) | 150 µL [100 copies/µL] | 5212584101 |
| Genomic DNA Quail (<i>Coturnix coturnix</i>) | 150 µL [100 copies/µL] | 5212584201 |
| Genomic DNA Rat (<i>Rattus norvegicus</i>) | 150 µL [100 copies/µL] | 5212585201 |
| Genomic DNA Red Deer | 150 µL [100 copies/µL] | 5212581901 |
| Genomic DNA Roe Deer | 150 µL [100 copies/µL] | 5212581201 |
| Genomic DNA Sheep (<i>Ovis aries</i>) | 150 µL [100 copies/µL] | 5212581401 |
| Genomic DNA Turkey (<i>Meleagris gallopavo</i>) | 150 µL [100 copies/µL] | 5212581101 |
| Genomic DNA Water Buffalo (<i>Bubalus bubalis</i>) | 150 µL [100 copies/µL] | 5222580001 |
| Genomic DNA Yak (<i>Bos mutus</i>) | 150 µL [100 copies/µL] | 5212584401 |



ENVIRONMENT AND WATER



Water is critical for life itself, making it arguably the most valuable resource on the planet. As a result, water is the object of numerous environmental laws and regulations throughout the world. These regulations address not only drinking water but the entire water cycle including surface and ground water, recreational, process and waste water.

Due to the diversity of water testing applications, flexibility is important and can provide distinct advantages to users in meeting specific testing objectives. Traditional analytical laboratory testing can often be costly and time consuming. Our commercially available test kits allow for accurate, on-site testing, providing near real time answers for critical decision-making, often at a lower cost than traditional methods.

Eurofins Abraxis Environment and Water Kits

Eurofins Technologies, through its subsidiary Abraxis provides innovative, near real time, field and lab based testing solutions for water and environmental sample testing.

environmental contaminants including industrial chemicals and hydrocarbons such as PCBs, Triclosan, Phthalates, Dioxins/Furans, BPA and Benzo(a)pyrene.

Algal Toxins

Our algal toxin products are available in multiple formats and applications to meet the diverse testing objectives of our customers. Test kits include quantitative ELISA plate kits as well as semi-quantitative/qualitative lateral flow dipstick kits. We hold the exclusive world-wide license for the ADDA-specific microcystins antibody, making us the sole commercial manufacturer of Microcystins ADDA test kits as specified in EPA Method 546. We also offer testing solutions for Cylindrospermopsin, Saxitoxins, Anatoxin-a, Brevetoxin, Anabaenopeptins, Okadaic acid, Domoic acid and BMAA in various sample matrices.

Markers for Bioactivity

Certain compounds found in consumer products can be used as markers of human bioactivity. These compounds, including Caffeine and Carbamazepine can also be helpful to researchers. We offer quantitative assays to measure these biomarkers in environmental samples.

Surfactants

Generally surfactants consist of both an alkyl chain hydrophobic group as well as a functional hydrophilic group. This amphiphilic structure helps to lower surface tension between phases, making surfactants ideal for use as detergents, wetting agents, emulsifiers, foaming agents, or dispersants with a wide range of industrial and consumer use. Abraxis offers quantitative ELISA test kits for surfactants to monitor their presence in environmental samples.

Pesticides (including Glyphosate):

We offer the only commercially available glyphosate ELISA and lateral flow dipstick test kits for both quantitative and qualitative detection of glyphosate in various sample matrices including water, honey, coffee, grains, legumes and oats. Other pesticide kits include 2,4-D, Alachlor, Atrazine, Azoxystrobin, DDE/DDT, Diuron, Fluridone, Imidacloprid, Metalachlor, Organophosphates/Carbamates, Pyrethroids, Spinosyn and Trifluralin.

Industrial Chemicals / Hydrocarbons

One of Abraxis' core strengths is developing sensitive and specific antibodies against small molecules. We provide test kits for a variety of

Key Benefits

- 20+ years of partnership to meet and exceed the needs of research and industry
- Long history of collaboration with key government agencies
- Unmatched expertise in rapid water and environmental testing
- Multiple technologies, formats and applications to meet customer-specific objectives

Algal Toxins Elisa Plate & Tube Test Kits



| Product | Product format | Quantity | Article No. |
|---|----------------|----------|-------------|
| Anabaenopeptins | ELISA Plate | 96 tests | 520070 |
| Anatoxin-a (VFDF) | ELISA Plate | 96 tests | 520060 |
| BMAA | ELISA Plate | 96 tests | 520040 |
| Brevetoxin (NSP) | ELISA Plate | 96 tests | 520026 |
| Cylindrospermopsin | ELISA Plate | 96 tests | 522011 |
| Domoic Acid (ASP) (AOAC Method 2006.02) | ELISA Plate | 96 tests | 520501 |
| Domoic Acid (ASP) (Onsite Technologies) | ELISA Plate | 96 tests | 0N0021 |
| Microcystins | ELISA Tube | 40 tests | 520012a |
| Microcystins/Nodularins (ADDA) (EPA ETV) (EPA Method 546) | ELISA Plate | 96 tests | 520011 |
| Microcystins/Nodularins (ADDA) OH (EPA ETV) | ELISA Plate | 96 tests | 5200110H |
| (EPA Method 546), includes LCRC | ELISA Plate | 96 tests | 5200110H |
| Microcystins/Nodularins (ADDA) SAES | ELISA Plate | 96 tests | 520011SAES |
| Microcystins/Nodularins DM (EPA ETV) (CCL4) | ELISA Plate | 96 tests | 522015 |
| Microcystins/Nodularins PP2A (EPA ETV) | ELISA Plate | 96 tests | 520032 |
| Microcystins/Nodularins (ADDA) Serum | ELISA Plate | 96 tests | 522031 |
| Okadaic Acid (DSP) (EC 2002/225 Compliant) | ELISA Plate | 96 tests | 520021 |
| Okadaic Acid (DSP), PP2A | ELISA Plate | 96 tests | 520025 |
| Saxitoxins (PSP) (EC 2002/225 Compliant) | ELISA Plate | 96 tests | 52255B |
| Saxitoxins (PSP) Shipboard (ISSC 09-107) | ELISA Plate | 96 tests | 52255SB |

Algal Toxins Dipstick Test Kits



| Product | Product format | Quantity | Article No. |
|--|----------------|---------------------|------------------|
| Anatoxin-a (VFDF) | Dipstick | 5 tests 20 tests | 520042 520043 |
| Cylindrospermopsin with QuikLyse™ Feature | Dipstick | 5 tests 20 tests | 520029 520030 |
| Microcystins with QuikLyse™ Feature, Source Drinking Water | Dipstick | 5 tests 20 tests | 520019 520020 |
| Microcystins with QuikLyse™ Feature, Recreational Water | Dipstick | 5 tests 20 tests | 520023 520022 |
| Microcystins, Finished Drinking Water, 0.5 - 5 ppb | Dipstick | 5 tests 20 tests | 520016 520017 |
| Microcystins, Finished Drinking Water, 0.3 - 3 ppb | Dipstick | 20 tests | 520046 |

Algal Toxins Standards



| Product | Product format | Quantity | Article No. |
|--|----------------|-------------------|-------------|
| Anatoxin-a (+), Certified | Standard | ~5 ug/mL, 0.5 mL | 300586 |
| Anatoxin-a (+) | Standard | 10 ug/mL, 0.5 mL | 300620 |
| Dihydroanatoxin-a | Standard | 10 ug/mL, 0.5 mL | 300655 |
| Dihydroanatoxin-a, cis-trans mix | Standard | 10 ug/mL, 0.5 mL | 300647 |
| Homo-anatoxin-a Standard | Standard | 10 ug/mL, 0.5 mL | 300648 |
| 13 C4-(-)-Anatoxin-a | Standard | 10 ug/mL, 0.5 mL | 300505 |
| BMAA | Standard | 1.0 mg | 300649 |
| BMAA D3 | Standard | 1.0 mg | 300622 |
| Cylindrospermopsin | Standard | 0.5 mg | 300624 |
| Cylindrospermopsin, Certified | Standard | ~10 ug/mL, 0.5 mL | 300588 |
| Cylindrospermopsin | Standard | 10 ug/mL, 1 mL | 300626 |
| 7-epi-Cylindrospermopsin, supplied dry | Standard | 5 ug | 300651 |
| 7-deoxy-Cylindrospermopsin, supplied dry | Standard | 5 ug | 300653 |
| [15N5] Cylindrospermopsin | Standard | 10 ug/mL, 0.5 mL | 300504 |

| Product | Product format | Quantity | Article No. |
|---|----------------|------------------|-------------|
| [15N5] 7-deoxy-Cylindrospermopsin, dry | Standard | 5 ug | 300508 |
| [15N5] 7-epi-Cylindrospermopsin, dry | Standard | 5 ug | 300506 |
| Microcystin HiLR | Standard | 10 ug/mL, 1mL | 300654 |
| Microcystin LA | Standard | 10 ug/mL, 1mL | 300628 |
| Microcystin LF, Deuterated | Standard | 10 ug/mL, 0.5mL | 300500 |
| Microcystin LF | Standard | 10 ug/mL, 1mL | 300646 |
| Microcystin LR | Standard | 0.5 mg | 300630 |
| Microcystin LR | Standard | 10 ug/mL, 1mL | 300632 |
| Desmethyl Microcystin LR | Standard | 10 ug/mL, 1mL | 300656 |
| Microcystin LR Deuterated (D7) | Standard | 10 ug/mL, 0.5mL | 300502 |
| Microcystin LR Ethylated (D5, 99%) | Standard | 25 ug | 300507 |
| Microcystin LR, Certified | Standard | 10 ug/mL, 0.5 mL | 300580 |
| Microcystin LW | Standard | 10 ug/mL, 1 mL | 300650 |
| Microcystin LY | Standard | 10 ug/mL, 1 mL | 300634 |
| Microcystin RR | Standard | 10 ug/mL, 1 mL | 300636 |
| Desmethyl Microcystin RR | Standard | 10 ug/mL, 1 mL | 300658 |
| Microcystin RR, Certified | Standard | 10 ug/mL, 0.5 mL | 300582 |
| Microcystin WR | Standard | 10 ug/mL, 1 mL | 300652 |
| Microcystin YR | Standard | 10 ug/mL, 1 mL | 300638 |
| Nodularins | Standard | 10 ug/mL, 1 mL | 300640 |
| Nodularins, Certified | Standard | 10 ug/mL, 0.5 mL | 300591 |
| Saxitoxins | Standard | 10 ug/mL, 1 mL | 300642 |
| Saxitoxins, Certified | Standard | 20 ug/mL, 0.5 mL | 300590 |
| Saxitoxins (PSP) (EC 2002/225 Compliant) Seawater Standards Set | Standard | Set | 52255SW |

Algal Toxins QC Materials



| Product | Product format | Quantity | Article No. |
|---|--------------------|----------------|-------------|
| Microcystins/Nodularins (ADDA) Accessory Pack for Method 546 (for QC) | Accessory Pack | 1 pack | 520013 |
| Microcystins LR Check Samples (0, 2 and 20 ppb) | Check Samples | 1 set | 422011 |
| Microcystins/Nodularins (ADDA) Spiking Solution, MCT-LR | Spiking Solution | 50 ug/L, 10 ml | 300702 |
| Cylindrospermopsin MDL Study Solution | MDL Study Solution | 1 ml x 3 vials | 300705 |
| Cylindrospermopsin MDL Study Solution (for CAAS/CAAS Cube) | MDL Study Solution | 10 ml x 1 vial | 300705C |
| Microcystins MDL Study Solution | MDL Study Solution | 1 ml x 3 vials | 300700 |
| Microcystins MDL Study Solution (for CAAS/CAAS Cube) | MDL Study Solution | 10 ml x 1 vial | 300700C |
| Saxitoxins (PSP) MDL Study Solution | MDL Study Solution | 1 ml x 3 vials | 300710 |
| Saxitoxins (PSP) MDL Study Solution (for CAAS/CAAS Cube) | MDL Study Solution | 10 ml x 1 vial | 300710C |

Algal Toxins Related Products



| Product | Product format | Quantity | Article No. |
|--|----------------|--------------|------------------|
| QuikLyse™, Rapid Lysing and Filtration Kit | Accessory Pack | 45 tests | 529911 |
| Microcystins Field Screen Accessory Pack, for Freeze-thaw Lysing | Accessory Pack | 20 tests | 530040 |
| Microcystins Field Screen Accessory Pack, for Filtration | Accessory Pack | 20 tests | 530038 |
| Anatoxin-a/Saxitoxins, Sample Diluent (10X solution) | Reagent | 25 ml 1 L | 530010 53001L |
| Brevetoxin (NSP) Sample Diluent | Reagent | 30 ml | 520027 |
| Brevetoxin (NSP) Seawater Sample Pretreatment Solution | Reagent | 25 ml | 520028 |
| Cylindrospermopsin, Seawater Sample Treatment Solution | Reagent | 45 tests | 529914 |
| Microcystins/Nodularins (ADDA) (EPA ETV) Seawater Clean Up Kit | Reagent | 45 tests | 529912 |
| Microcystins/Nodularins DM Seawater Sample Treatment Solution | Reagent | 45 tests | 529913 |

Estrogen Kits (Not available in Europe)



| Product | Product format | Quantity | Article No. |
|------------------------|----------------|----------|-------------|
| Estrone (E1) | ELISA plate | 96 tests | 590061 |
| 17-Beta Estradiol (E2) | ELISA plate | 96 tests | 590062 |
| Estrogens (E1+E2+E3) | ELISA plate | 96 tests | 590071 |
| Ethinylestradiol (EE2) | ELISA plate | 96 tests | 590051 |

Industrial Chemicals / Hydrocarbons



| Product | Product format | Quantity | Article No. |
|--|-------------------|-----------|-------------|
| Benzo(a)Pyrene (B(a)P) | ELISA plate | 96 tests | 530039 |
| Bisphenol A (BPA) <i>Not available in Europe</i> | ELISA plate | 96 tests | 590023 |
| Dioxins/Furans (TCDD) | ELISA plate | 96 tests | 530037 |
| Coplanar PCBs | ELISA plate | 96 tests | 530011 |
| PCBs Higher Chlorinated | ELISA plate | 96 tests | 530041 |
| PCBs Higher Chlorinated | Magnetic Particle | 100 tests | 530001 |
| Polybrominated Diphenyl Ether (PBDE) | ELISA plate | 96 tests | 530045 |
| Polybrominated Diphenyl Ether (PBDE) | Magnetic Particle | 100 tests | 500090 |
| Phthalates | ELISA plate | 96 tests | 530050 |
| Triclosan | ELISA plate | 96 tests | 530114 |
| Triclosan | Magnetic Particle | 100 tests | 530111 |

Industrial Chemicals / Hydrocarbons Related Products

| Product | Product Format | Quantity | Article No. |
|---|-----------------|----------|-------------|
| PCBs Higher Chlorinated (1254, 1260, 1248, 1242, 1262, 1232, 1268, 1016, or 1221) | Calibrator Sets | | 530003 |
| Soil Extraction Kit | Sample Prep Kit | 12 tests | 530006 |

Markers for Bioactivity



| Product | Product format | Quantity | Article No. |
|---------------|----------------|----------|-------------|
| Caffeine | ELISA plate | 96 tests | 515575 |
| Carbamazepine | ELISA plate | 96 tests | 515585 |

Surfactants (Not available in Europe)

| Product | Product format | Quantity | Article No. |
|-------------------------------------|----------------|----------|-------------|
| Alkyl Ethoxylate (AE) | ELISA Plate | 96 tests | 590001 |
| Alkylphenols (AP) | ELISA plate | 96 tests | 590012 |
| Alkylphenol Ethoxylate (APE) | ELISA Plate | 96 tests | 520041 |
| Linear Alkylbenzene Sulfonate (LAS) | ELISA Plate | 96 tests | 520031 |

Pesticides



| Product | Product format | Quantity | Article No. |
|----------------------------------|-------------------|-----------|-------------|
| 2,4-D | ELISA plate | 96 tests | 54003A |
| 2,4-D | Tube | 40 tests | 54004B |
| Alachlor | Magnetic Particle | 100 tests | 500071 |
| Alachlor | ELISA Plate | 96 tests | 500076 |
| Atrazine | Magnetic Particle | 100 tests | 500001 |
| Atrazine | ELISA Plate | 96 tests | 520005 |
| Atrazine | Dipstick | 20 tests | 500009 |
| Azoxystrobin | ELISA Plate | 96 tests | 500701 |
| DDE/DDT | ELISA Plate | 96 tests | 540041 |
| Diuron | ELISA Plate | 96 tests | 520001 |
| Fluridone | Magnetic Particle | 100 tests | 500511 |
| Imidacloprid/Clothianidin | ELISA Plate | 96 tests | 500800 |
| Metolachlor | Magnetic Particle | 100 tests | 500061 |
| Metolachlor | ELISA Plate | 96 tests | 500065 |
| Organophosphate/Carbamate (OP/C) | Tube | 20 tests | 550051 |
| Organophosphate/Carbamate (OP/C) | ELISA Plate | 96 tests | 550055 |
| Pyrethroids | Magnetic Particle | 100 tests | 500201 |
| Pyrethroids | ELISA Plate | 96 tests | 500204 |
| Spinosyn | Tube | 40 tests | 500203 |
| Trifluralin | ELISA Plate | 96 tests | 500601 |

Pesticides: Glyphosate



| Product | Product format | Quantity | Article No. |
|------------|-------------------|-----------|-------------|
| Glyphosate | Magnetic Particle | 120 tests | 500081 |
| Glyphosate | ELISA Plate | 96 tests | 500086 |
| Glyphosate | Dipstick | 5 tests | 500098 |
| Glyphosate | Dipstick | 20 tests | 500095 |

ELISA Plate, Tube & Test Strip Readers & Equipment

| Product | Product format | Article No. |
|---|----------------|-------------|
| Microplate Reader, Model 4303 | Reader | 475010 |
| Plate Washer, Stat Fax 2600 | Washer | 475011 |
| Microplate Strip Reader, Model 4700 with Printer | Reader | 475007 |
| AbraScan® Dipstick Reader III, Handheld reader with supplemental software | Reader | 475025B |
| AbraLab I Handheld Wireless Test Strip Reader with supplemental software (Available for sale in Latin America only) | Reader | 475030 |
| Saxitoxins (PSP) Shipboard (ISSC 05-111), Starter Pack | System Package | 470061C |
| Saxitoxins (PSP) Shipboard (ISSC 05-111), Shipboard Starter Pack w/o computer | System Package | 470061D |

LIFE SCIENCES / R&D

AbraMag® Magnetic Purification Kits

| Product | Product format | Quantity | Article No. |
|---------------------------------------|--------------------|-----------|-------------|
| Genomic DNA Magnetic Purification Kit | Magnetic Beads Kit | 100 tests | 555020 |
| Plasmid DNA Magnetic Purification Kit | Magnetic Beads Kit | 100 tests | 555005 |
| Protein A Magnetic Beads Kit | Magnetic Beads Kit | 20 tests | 555000 |
| Protein G Magnetic Beads Kit | Magnetic Beads Kit | 20 tests | 555010 |

Magnetic Separator Racks

| Product | Compatibility | Article No. |
|--|---------------------------------------|-------------|
| Plate Magnetic Separator | 1 x 96-well plate (side pull) | 472235 |
| Plate Magnetic Separator | 2 x 96-well plate (bottom pull) | 472236 |
| Tube Magnetic Separator | 60 x 11-13 mm tubes | 472231 |
| Tube Magnetic Separator | 6 x 50 mL tubes | 472291 |
| Tube Magnetic Separator | 5 x 15 mL tubes and 3 x 50 mL tubes | 472250 |
| Tube/Microcentrifuge Tube Magnetic Separator | 1 x 1.5 mL or 1 x 15 mL and 1 x 50 mL | 472280 |
| Microcentrifuge Tube Magnetic Separator | 1 x 1.5 mL microcentrifuge tube | 472270 |
| Microcentrifuge Tube Magnetic Separator | 6 x 1.5 mL microcentrifuge tubes | 472260 |
| Microcentrifuge Tube Magnetic Separator | 32 x 1.5 mL microcentrifuge tubes | 472287 |
| Flask Magnetic Separator | Tissue culture flasks | 472240 |

AbraMag® Magnetic Beads

| Product | Product format | Quantity | Article No. |
|--------------------|----------------|----------|-------------|
| Amine | Magnetic Beads | 50 mg | 544080 |
| Amine | Magnetic Beads | 125 mg | 544081 |
| Carboxyl | Magnetic Beads | 50 mg | 544085 |
| Carboxyl | Magnetic Beads | 125 mg | 544086 |
| Biotin | Magnetic Beads | 10 mg | 544000 |
| Biotin | Magnetic Beads | 25 mg | 544001 |
| Biotin | Magnetic Beads | 5 mg | 544002 |
| Streptavidin | Magnetic Beads | 10 mg | 544050 |
| Streptavidin | Magnetic Beads | 25 mg | 544051 |
| Streptavidin | Magnetic Beads | 5 mg | 544052 |
| anti-Rabbit IgG | Magnetic Beads | 20 mg | 544010 |
| anti-Rabbit IgG | Magnetic Beads | 100 mg | 544011 |
| anti-Rabbit IgG | Magnetic Beads | 5 mg | 544012 |
| anti-Mouse IgG | Magnetic Beads | 20 mg | 544020 |
| anti-Mouse IgG | Magnetic Beads | 100 mg | 544021 |
| anti-Mouse IgG | Magnetic Beads | 5 mg | 544022 |
| anti-Human IgG | Magnetic Beads | 20 mg | 544060 |
| anti-Human IgG | Magnetic Beads | 100 mg | 544061 |
| anti-Human IgG | Magnetic Beads | 5 mg | 544062 |
| Protein A | Magnetic Beads | 10 mg | 544030 |
| Protein A | Magnetic Beads | 25 mg | 544031 |
| Protein A | Magnetic Beads | 5 mg | 544032 |
| Protein G | Magnetic Beads | 10 mg | 544040 |
| Protein G | Magnetic Beads | 25 mg | 544041 |
| Protein G | Magnetic Beads | 5 mg | 544042 |
| DNA Purification | Magnetic Beads | 12 mg | 544090 |
| DNA Size Selection | Magnetic Beads | 5 ml | 544100 |
| DNA Size Selection | Magnetic Beads | 50 ml | 544103 |
| DNA Size Selection | Magnetic Beads | 450 ml | 544106 |





INSTRUMENTS

Comprehensive diagnostic solutions improve lab efficiency and minimize overall costs. Our division, Gold Standard Diagnostics offers precise, compact and cost-efficient instruments supported with outstanding customer service. The result is a seamless lab experience while maintaining low total cost of ownership for instrumentation, consumables and support.

These innovative, industry-leading instruments - ThunderBolt® and The BOLT™ - are the standard platforms for Eurofins Technologies ELISA-based diagnostic kits including allergens, food pathogens, mycotoxins, veterinary drug residues, and animal health kits. We are delighted to provide one of the most complete, integrated, and innovative test offerings in the market.

ThunderBolt®



The ThunderBolt® is an innovative 2-plate, fully automated, open platform that is compact and cost efficient. The user friendly and flexible software is capable of programming a broad range of protocols. The ThunderBolt® is available for both ELISA and Chemiluminescent (CLIA) applications.

Key Benefits

- Fully-automated: load and walk away
- High capacity: 192 samples
- Open architecture: program any ELISA or Chemiluminescent (CLIA) protocol* (CLIA protocols require ELISA+CLIA reader option)
- Adaptable: capable of running many different protocols in a single batch
- Built-in reader: ultra-compact and fully-automated reader options
- Compact: smallest and lightest instrument in its class
- User-friendly and flexible software
- Extensive configuration – run up to 8 protocols in a single batch
- On-board camera: monitor internal operations in real-time

The Bolt™



The Bolt™, a one-plate ELISA+CLIA processor, shares many features of the ThunderBolt®, with a more customizable, lower throughput and cost-effective design. Our interactive user-friendly software provides a simple laboratory experience for instrument operation.

Key Benefits

- Space saving design – fits standard 60 cm lab bench
- 96 sample capacity
- Program any EIA and CLIA protocol
- High precision syringes
- Low consumables costs (no disposable tips)
- Exterior status indicator light
- Connectivity to a laboratory information system (LIS)

Modular Design with Optional:

- Convention incubator
- Linear shaker
- ELISA or ELISA+ CLIA Reader*

* CLIA protocols require ELISA + CLIA reader option

ThunderBolt®



Unique Features

| | |
|------------------------------|--|
| Intelligent Racks | Automatic sample location management |
| System Architecture | Open, fully customizable |
| High Precision Micro-Syringe | Aspirate 1uL with $\leq 3\%$ CV |
| On-board Reader(s) | Spectrophotometer or Spectrophotometer + Fluorescence Combo Reader |
| Forced Convection Incubator | Evenly heats using forced air to eliminate "Edge Effect" |
| On-board Camera | Probe-mounted camera allows remote troubleshooting |
| Sliding Sample Tray | Easy loading and unloading of samples |
| Built-in Barcode Reader | Streamline loading and decrease sample tracking errors |
| Orbital MTP Shaker | Precise adherence to assay protocols |
| Small Footprint | Fits on a 60cm deep standard laboratory bench |

Technical Specifications

| | |
|-----------------------------|---|
| Sample Capacity | 192 patient sample positions |
| Reagent Positions | 16 custom reagent positions (22-35mm diameter bottles accepted) Test Tube Size(s) Accepts standard 12, 13, 16 mm diameter, up to 100 mm tall (custom racks available) |
| MTP Positions | 2 positions |
| Pre-dilution MTP Positions | 1 position |
| Well-Tracking | Independent well tracking and timing |
| Wash bottles | 2 external wash bottle positions |
| Probe/Needle | Single probe, dual needle |
| Dispense Volume | Up to 300 μ l |
| Aspiration Volume | 1 μ l |
| Incubation Temperature | Room temperature to 40 °C |
| Spectrophotometer | 405, 450, 490, 550 and 630 nm wavelengths standard (custom available), 0 to 3.0 OD |
| Chemiluminescence | Detection type: glow, Spectral range: 300-500 nm, |
| Photomultiplier Tube (PMT)* | Dark count: 50 counts per second (standard), Measuring time: 200 ms (adjustable 1 to 1000 ms) Dynamic range: 6 decades (*optional configuration) |
| Orbital MTP Shaker | Amplitude: 1 mm, Speed: Up to 900 RPM, 3 MTP (2 reaction, 1 pre- dilution) |
| Power Supply | 100-265V |
| Dimensions | W: 64 cm, D: 57 cm, H: 45 cm, (W: 25.2 in, D: 22.5 in, H: 17.7 in), H (open): 91.5 cm (36 in) |
| Weight | 30 kg (65 lbs) |
| CE Marked | Yes |

Software Specifications

| | |
|-----------------|--|
| Language | Multi-language support |
| Calculations | Point to point, linear regression, cubic spline, 4PL, 5 PL, Lin-Lin, |
| Architecture | Fully customizable |
| Protocol Design | Fully open and configurable test designer; custom reports |
| LIS Integration | Bi-directional, RS232, USB, TCP/IP |
| User Interface | MS Windows Graphical User Interface (Windows 7 or above) |

The Bolt™



Unique Features

| | |
|------------------------------|--|
| System Architecture | Open, fully customizable |
| High Precision Micro-Syringe | Aspirate 1uL with $\leq 3\%$ CV |
| On-board Reader(s) | Spectrophotometer or Spectrophotometer + Fluorescence Combo Reader |
| Forced Convection Incubator | Evenly heats to eliminate "Edge Effect" |
| Linear Shaker | Precise adherence to assay protocols / No-spill design |
| Small Footprint | Fits on a 60cm deep standard laboratory bench |

Technical Specifications

| | |
|-----------------------------|---|
| Sample Capacity | 96 patient sample positions |
| Reagent Positions | 9 custom reagent positions (22-35mm diameter bottles accepted) |
| Test Tubes | Accepts standard 12, 13, and 16 mm diameter tubes, up to 100 mm tall (custom racks available) |
| MTP Positions | 1 position |
| Pre-dilution MTP Positions | 1 position |
| Well-Tracking | Independent well tracking and timing |
| Wash bottles | 2 external wash bottle positions |
| Probe/Needle | Single probe, dual needle |
| Dispense Volume | Up to 300 μ l |
| Aspiration Volume | 1 μ l |
| Incubation Temperature | Room temperature to 40 °C 405, 450, 490, 550 and 630 nm wavelengths standard (custom available), 0 to 3.0 OD |
| Chemiluminescence | Detection type: glow, Spectral range: 300-500 nm, Dark count: |
| Photomultiplier Tube (PMT)* | 50 counts per second (standard), Measuring time: 200 ms (adjustable 1 to 1000 ms), Dynamic range: 6 decades (*optional configuration) |
| Shaker Speed | Up to 900 RPM |
| Power Supply | 100-265V |
| Dimensions | W: 48.3 cm, D: 53.3 cm, H: 55.8 cm (W: 19.0 in, D: 21.0 in, H: 22.0 in) |
| Weight | 27 kg (59.5 lbs) |
| CE Marked | Yes |

Software Specifications

| | |
|-----------------|--|
| Language | Multi-language support |
| Calculations | Point to point, linear regression, cubic spline, 4PL, 5 PL, Lin-Lin, Lin-Log, Log-Log representation |
| Architecture | Fully customizable |
| Protocol Design | Fully open and configurable test designer; custom reports |
| LIS Integration | Bi-directional, RS232, USB, TCP/IP |
| User Interface | MS Windows Graphical User Interface (Windows 7 or above) |



