



Eurofins Technologies Food Allergen Kits

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

The EU directive 2007/68/CE obliges the food manufacturers to label their products with all ingredients potentially capable to cause allergic reactions, whilst EU Regulation 1169/2011 brings together EU rules on general food labelling (including allergens) and nutrition labelling into one piece of legislation.

Many other countries worldwide follow a similar legislation requiring food manufacturers to **label allergenic ingredients** on food product packaging.



ELISA Kits



LFDs

SENSISpec Allergen Detection ELISA Kits

Eurofins Technologies offers a full range of food allergen test kits which **reliably detect the presence of potential allergens caused by cross-contaminations.** The kits provide **accurate and fast results** and are available for all key allergens.

SENSIStrip Lateral Flow Tests

Lateral flow assays are well suited for **quick in-process sampling.** With only a few minutes of incubation time, these sensitive tools 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.

Eurofins Technologies Food Allergen Kits

Key Benefits of ELISA Kits

- Quick and sensitive method (low limits of detection)
- Validated protocols for ELISA robots
- Quantitative results, ready-to-use reagents
- High stability, accuracy and reproducibility
- Incubation at room temperature
- Minimum shelf life of 13 months

SENSISpec Allergen Detection ELISA Kits



| Article no.* | ELISA kits | No. of wells | LOD (ppb) | Quantitation range |
|--------------|-------------------------------------------|--------------|-----------|--------------------|
| HU0030001 | SENSISpec ELISA Almond | 96 | 200 | 0.4 - 10 ppm |
| HU0030002 | SENSISpec ELISA Beta-Lactoglobulin | 96 | 1.5 | 10 - 400 ppb |
| HU0030003 | SENSISpec ELISA Casein | 96 | 40 | 0.2 - 6 ppm |
| HU0030004 | SENSISpec ELISA Cashew | 96 | 200 | 2 - 60 ppm |
| HU0030005 | SENSISpec ELISA Coconut | 96 | 400 | 2 - 30 ppm |
| HU0030006 | SENSISpec ELISA Crustaceans (Tropomyosin) | 96 | 0.9 | 20 - 400 ppb |
| HU0030007 | SENSISpec ELISA Egg White | 96 | 50 | 0.4 - 10 ppm |
| HU0030008 | SENSISpec ELISA Fish (Parvalbumin) | 96 | 1400 | 4 - 100 ppm |
| HU0030010 | SENSISpec ELISA Hazelnut | 96 | 300 | 1 - 40 ppm |
| HU0030011 | SENSISpec ELISA Lupin | 96 | 200 | 2 - 30 ppm |
| HU0030012 | SENSISpec ELISA Lysozyme | 96 | 2 | 25 - 250 ppb |
| HU0030013 | SENSISpec ELISA Macadamia nut | 96 | 100 | 1 - 40 ppm |
| HU0030014 | SENSISpec ELISA Milk | 96 | 50 | 0.4 - 10 ppm |
| HU0030015 | SENSISpec ELISA Molluscs (Tropomyosin) | 96 | 1.7 | 10 - 400 ppb |
| HU0030016 | SENSISpec ELISA Mustard | 96 | 1000 | 2 - 60 ppm |
| HU0030017 | SENSISpec ELISA Ovalbumin | 96 | 4 | 25 - 500 ppb |
| HU0030018 | SENSISpec ELISA Brazil Nut | 96 | 200 | 1 - 40 ppm |
| HU0030019 | SENSISpec ELISA Peanut | 96 | 100 | 1 - 40 ppm |
| HU0030020 | SENSISpec ELISA Pecan Nut | 96 | 200 | 2 - 60 ppm |
| HU0030021 | SENSISpec ELISA Pistachio | 96 | 130 | 1 - 40 ppm |
| HU0030022 | SENSISpec ELISA Sesame | 96 | 200 | 2 - 30 ppm |
| HU0030023 | SENSISpec ELISA Soy | 96 | 16 | 40 - 1000 ppb |
| HU0030075 | SENSISpec Soy Protein Total ELISA ** | 96 | 2000 | 2 - 20 ppm |
| HU0030024 | SENSISpec ELISA Walnut | 96 | 350 | 2 - 60 ppm |

* All kits are available in 48 wells size

** High sensitivity for hydrolyzed samples; detects Total soy protein (not only the Soy Trypsin Inhibitor)

SENSISpec Allergen Spike Solutions

Our **SENSISpec Allergen Spiking Solutions** can be used to produce positive control samples suitable for validation of all SENSISpec Allergen ELISA kits, such as determination of recovery rate in a spike/recovery assay and matrix interference in a linearity assay. Since no international or even industry wide reference materials are available for food allergens, spike solutions provide reference samples. The procedures for spiking samples are available upon request. **SENSISpec Spike Solutions are available for all allergen ELISA Kits.**

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SENSISpec Gluten Detection ELISA Kits



Gluten intolerance is characterized by adverse reactions to gluten, a group of proteins found in wheat, barley and rye. People with celiac disease or gluten sensitivity need to avoid gluten containing foods that trigger symptoms. The European Directive 2007/68/CE assures the adequate labelling of foodstuffs, stating the ingredients that cause allergies and food intolerance, including gluten. This legislation implies a strict control by the food industry and the traceability of the food production process, from raw material to final product; identifying all food ingredients, components and additives, as well as controlling any potential cross-contamination. In order to comply with this objective, the food industry requires adequate tools to monitor their entire process in a quick and reliable manner

Eurofins Technologies through its subsidiary Ingenasa offers a comprehensive range of gluten detection kits using the **R5 monoclonal antibody**.



The **SENSISpec INgezim Gluten R5** test method has been evaluated and approved by the AOAC Research Institute Performance Tested MethodsSM Program for use with gluten free bread, oat flour and stainless steel surfaces, and has been assigned **PTM Certification No. 052005**.

| Article no. | ELISA kits | No. of wells | LOD (ppb) | Quantitation range |
|-------------|--------------------------------------------------------------|--------------|-----------|--------------------|
| 30.GLU.K.2. | SENSISpec INgezim Gluten R5 / PTM Certificate #052005 | 96 | 3000 | 3 - 200 ppm |
| 30.GL2.K.2. | SENSISpec INgezim Gluten Quick | 96 | 3000 | 3 - 200 ppm |
| 30.GLH.K.2. | SENSISpec INgezim Hydrolyzed Gluten | 48 | 250 | 0.25 - 200 ppm |
| 30.GSQ.K.2. | SENSISpec INgezim Gluten Semi Q | 32 | 10000 | 10 - 800 ppm |

Automation Solutions

We offer a broad menu of innovative, fully-automated, user friendly and compact instruments from a proprietary instrument manufacturer to simplify laboratory experience. These industry-leading instruments are the standard platforms for our ELISA-based food testing kits.

Fully-automated ELISA processing robots, with validated protocols for:



Almond



Mustard



Casein



Peanut



Egg White



Soy



Gluten



β-Lactoglobulin



Milk



ThunderBolt®

2-plate ELISA Analyzer

- Intelligent Racks
- On-Board Camera
- Intuitive, Open, Flexible Software
- Built-in Reader
- High Precision Micro-Syringe



The BOLT™

1-plate ELISA Analyzer

- Intuitive User Interface
- Space Saving Device
- Low Consumable Costs
- High Precision Syringes
- Competitive Pricing

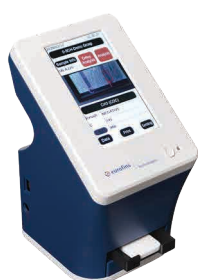
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SENSIS*Strip* Lateral Flow Tests



| Article no. | Products | No. of tests | LOD - finished product | LOD - Surface |
|--------------|-----------------------------------------------------------|--------------|------------------------|--------------------------|
| HU0030110 | SENSIS <i>Strip</i> Almond NEW! | 20 | 2.5 ppm | 0.007 µg/cm ² |
| HU0030112 | SENSIS <i>Strip</i> Casein NEW! | 20 | 0.5 ppm | 0.001 µg/cm ² |
| HU0030113 | SENSIS <i>Strip</i> Cashew NEW! | 20 | 2.5 ppm | 0.007 µg/cm ² |
| HU0030115 | SENSIS <i>Strip</i> Crustaceans (Tropomyosin) NEW! | 20 | 25 ppb | 0.2 ng/cm ² |
| HU0030116 | SENSIS <i>Strip</i> Egg White NEW! | 20 | 0.5 ppm | 0.001 µg/cm ² |
| HU0030118 | SENSIS <i>Strip</i> Gluten NEW! | 20 | 4 ppm | 1.6 ng/cm ² |
| HU0030119 | SENSIS <i>Strip</i> Hazelnut NEW! | 20 | 2.5 ppm | 0.007 µg/cm ² |
| HU0030123 | SENSIS <i>Strip</i> Milk Protein NEW! | 20 | 1 ppm | 0.003 µg/cm ² |
| HU0030125 | SENSIS <i>Strip</i> Mustard NEW! | 20 | 2.5 ppm | 0.007 µg/cm ² |
| HU0030128 | SENSIS <i>Strip</i> Peanut NEW! | 20 | 2.5 ppm | 0.007 µg/cm ² |
| HU0030130 | SENSIS <i>Strip</i> Pistachio NEW! | 20 | 2.5 ppm | 0.007 µg/cm ² |
| HU0030132 | SENSIS <i>Strip</i> Total Soy Protein NEW! | 20 | 2.5 ppm | 0.007 µg/cm ² |
| HU0030133 | SENSIS <i>Strip</i> Walnut NEW! | 20 | 2.5 ppm | 0.007 µg/cm ² |
| 30.MLK.K42 | SENSIS <i>Strip</i> INgezim Total Milk Crom | 25 | 2.5 ppm | 0.125 µg/swap |
| 30.BLG.K.42 | SENSIS <i>Strip</i> INgezim BLG Crom | 25 | 2.5 ppm | 0.25 µg/swap |
| 30.CAS.K.42. | SENSIS <i>Strip</i> INgezim Casein Crom | 25 | 2.5 ppm | 0.25 µg/swap |
| 30.OCO.K.42. | SENSIS <i>Strip</i> INgezim Ovo Crom | 25 | 2.5 ppm | 0.125 µg/swap |



Lateral Flow Reader for the SENSIS*Strip* Kits

| | | |
|------------|-----------------------------------------|---------------------|
| LFRSCAN002 | RapidScan ST5 Lateral Flow Assay Reader | COMING SOON! |
| LFA0030001 | LFD Reader Adapter for allergen strips | |

SENSIS*Swab* Swabbing Kit

| Article no. | Description | No. of Swabs |
|-------------|--------------------------------------------------------------------------|--------------|
| HU0030101 | SENSIS <i>Swab</i> kit, 10 ml Swabbing solution, 5 Swabs, 5 Sample tubes | 5 |
| HU0030102 | SENSIS <i>Swab</i> 10x5: multipack of 10 Swab kits | 50 |

Order Our Allergen Diagnostic Kits Online! www.eurofins-technologies.com