



## 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 Methods<sup>SM</sup> 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 / <b>PTM Certificate #052005</b>	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

# Eurofins Technologies Food Allergen Kits



## SENSIS*Strip* Lateral Flow Tests



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

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