



## Food Allergen Test Kits and Instruments

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 ELISA Kits**

Gold Standard Diagnostics 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.

## 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)

## Allergen Control Materials

The control materials are designed for the validity control of test runs. The material is extracted according to the corresponding IFU and can be directly applied as an additional sample in the ELISA test.

Article Number	Product Name	Related SensiSpec ELISA Allergen kits
HU0030140	Allergen Control Material – <b>Key Allergens</b>	Beta-Lactoglobulin, Casein, Egg White, Milk, Soy, Total Soy
HU0030141	Allergen Control Material – <b>Maritime</b>	Crustaceans, Fish, Molluscs
HU0030142	Allergen Control Material – <b>Nuts</b>	Almond, Brazil nut, Cashew, Coconut, Hazelnut, Macadamia, Peanut, Pecan, Pistachio, Walnut
HU0030143	Allergen Control Material – <b>Seeds</b>	Lupin, Mustard, Sesame

## 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

We offer 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.	Gluten 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

## 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. **SENSISpec Spike Solutions are available for all allergen ELISA Kits.**

## Automation Solutions

Gold Standard Diagnostics offers a broad menu of innovative, fully-automated, user friendly and compact instruments 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
- Casein
- Egg White
- Gluten
- Hazelnut
- Lupin
- Milk
- Mustard
- Peanut
- Soy
- $\beta$ -Lactoglobulin



#### ThunderBolt<sup>®</sup>

##### 2-plate ELISA Analyzer

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



#### The BOLT<sup>™</sup>

##### 1-plate ELISA Analyzer

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

## SENSIS*Strip* Lateral Flow Tests

Article no.	Products	No. of tests	LOD - finished product	LOD - Surface
HU0030110	SENSIS <i>Strip</i> Almond	20	2.5 ppm	0.007 µg/cm <sup>2</sup>
HU0030111	SENSIS <i>Strip</i> Beta-Lactoglobulin <b>NEW!</b>	20	100 ppb	0.27 ng/cm <sup>2</sup>
HU0030112	SENSIS <i>Strip</i> Casein	20	0.5 ppm	0.001 µg/cm <sup>2</sup>
HU0030113	SENSIS <i>Strip</i> Cashew	20	2.5 ppm	0.007 µg/cm <sup>2</sup>
HU0030114	SENSIS <i>Strip</i> Coconut	20	5 ppm	0.013 µg/cm <sup>2</sup>
HU0030115	SENSIS <i>Strip</i> Crustaceans (Tropomyosin)	20	25 ppb	0.2 ng/cm <sup>2</sup>
HU0030116	SENSIS <i>Strip</i> Egg White	20	0.5 ppm	0.001 µg/cm <sup>2</sup>
HU0030117	SENSIS <i>Strip</i> Fish <b>NEW!</b>	20	6 ppm	16 ng/cm <sup>2</sup>
HU0030118	SENSIS <i>Strip</i> Gluten	20	4 ppm	1.6 ng/cm <sup>2</sup>
HU0030119	SENSIS <i>Strip</i> Hazelnut	20	2.5 ppm	0.007 µg/cm <sup>2</sup>
HU0030120	SENSIS <i>Strip</i> Lupin <b>NEW!</b>	20	0.3 ppm	0.001 µg/cm <sup>2</sup>
HU0030121	SENSIS <i>Strip</i> Lysozyme <b>NEW!</b>	20	50 ppb	0.13 ng/cm <sup>2</sup>
HU0030122	SENSIS <i>Strip</i> Macadamia nut	20	2.5 ppm	0.007 µg/cm <sup>2</sup>
HU0030123	SENSIS <i>Strip</i> Milk Protein	20	1 ppm	0.003 µg/cm <sup>2</sup>
HU0030125	SENSIS <i>Strip</i> Mustard	20	2.5 ppm	0.007 µg/cm <sup>2</sup>
HU0030126	SENSIS <i>Strip</i> Ovalbumin <b>NEW!</b>	20	0.1 ppm	0.001 µg/cm <sup>2</sup>
HU0030127	SENSIS <i>Strip</i> Brazil nut <b>NEW!</b>	20	2.5 ppm	0.007 µg/cm <sup>2</sup>
HU0030128	SENSIS <i>Strip</i> Peanut	20	2.5 ppm	0.007 µg/cm <sup>2</sup>
HU0030129	SENSIS <i>Strip</i> Pecan nut	20	2.5 ppm	0.007 µg/cm <sup>2</sup>
HU0030130	SENSIS <i>Strip</i> Pistachio	20	2.5 ppm	0.007 µg/cm <sup>2</sup>
HU0030131	SENSIS <i>Strip</i> Sesame	20	2.5 ppm	0.007 µg/cm <sup>2</sup>
HU0030132	SENSIS <i>Strip</i> Total Soy Protein	20	2.5 ppm	0.007 µg/cm <sup>2</sup>
HU0030133	SENSIS <i>Strip</i> Walnut	20	2.5 ppm	0.007 µg/cm <sup>2</sup>



### Lateral Flow Reader for the SENSIS*Strip* Kits

LFRSCAN002	RapidScan ST5 Lateral Flow Assay Reader
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!