GOLD STANDARD DIAGNOSTICS

Food Allergen Test Kits and Instruments

Food allergens are proteins in food which can trigger allergic, sometimes even life-threatening reactions in sensitized individuals. Managing food allergies usually means completely eliminating the allergenic proteins from one's diet, **requiring strict traceability throughout the food production process** from raw materials to the final product.

We provide the most comprehensive offering for food allergen rapid testing, including test kits, easy to use instruments, trainings and services, to suit your actual capabilities and needs.

SENSI*Spec* ELISA Kits

Full range of food allergen ELISA test kits which quickly and reliably detect the presence of potential allergens caused by cross-contaminations.

Automation and Services

The BOLT™ and ThunderBolt® ELISA analyzers provide automation for the SENSI*Spec* Allergen ELISA kits, whilst the Rapidscan LFD reader is designed for rapid field and in-process lateral flow testing. Services include maintenance and support, trainings, method development and validation.

SENSI*Strip* Lateral Flow Tests

Lateral flow assays are sensitive and easy-to-use tools, well suited for fast in-process sampling at different stages of the food manufacturing process.

Discover our new **PowerLine portfolio** to eliminate false negatives due to the hook effect (excess of allergens).

DN*Allergen* RT-PCR Kits

Our new range of RT-PCR kits allow the detection of some specific allergens and show no cross-reactivity with related species.

SENSI*Spec* Allergen Detection ELISA Kits

Comprehensive ELISA test kit portfolio with in-house automation solution to simplify rapid allergen testing.

- 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

Article No.*	ELISA kits	No. of wells	LOD (ppb)	Quantitation range
HU0030001	SENSI*Spec* ELISA Almond	96	60	0.4 - 10 ppm
HU0030002	SENSI*Spec* ELISA Beta-Lactoglobulin	96	1.5	10 - 400 ppb
HU0030144	SENSISpec ELISA Buckwheat	96	60	0.06-0.35 ppm
HU0030003	SENSI*Spec* ELISA Casein	96	30	0.2 - 6 ppm
HU0030004	SENSI*Spec* ELISA Cashew	96	200	2 -60 ppm
HU0030005	SENSI*Spec* ELISA Coconut	96	400	2 - 30 ppm
HU0030006	SENSI*Spec* ELISA Crustaceans (Tropomyosin)	96	0.9	20 - 400 ppb
HU0030007	SENSI*Spec* ELISA Egg White	96	50	0.4 - 10 ppm
HU0030008	SENSI*Spec* ELISA Fish (Parvalbumin)	96	1400	4 - 100 ppm
HU0030010	SENSI*Spec* ELISA Hazelnut	96	300	1 - 40 ppm
HU0030011	SENSI*Spec* ELISA Lupin	96	200	2 - 30 ppm
HU0030012	SENSI*Spec* ELISA Lysozyme	96	2	25 - 250 ppb
HU0030013	SENSI*Spec* ELISA Macadamia nut	96	100	1 - 40 ppm
HU0030014	SENSI*Spec* ELISA Milk	96	50	0.4 - 10 ppm
HU0030015	SENSI*Spec* ELISA Molluscs (Tropomyosin)	96	1.7	10 - 400 ppb
HU0030016	SENSI*Spec* ELISA Mustard	96	1000	2 - 60 ppm
HU0030017	SENSI*Spec* ELISA Ovalbumin	96	4	25 - 500 ppb
HU0030018	SENSI*Spec* ELISA Brazil Nut	96	200	1 - 40 ppm
HU0030019	SENSI*Spec* ELISA Peanut	96	100	1 - 40 ppm
HU0030020	SENSI*Spec* ELISA Pecan Nut	96	200	2 - 60 ppm
HU0030240	SENSI*Spec* ELISA Pine Nut	96	40	2 - 30 ppm
HU0030021	SENSI*Spec* ELISA Pistachio	96	130	1 - 40 ppm
HU0030022	SENSI*Spec* ELISA Sesame	96	200	2 - 30 ppm
HU0030023	SENSI*Spec* ELISA Soy	96	16	40 - 1000 ppb
HU0030075	SENSI*Spec* Soy Protein Total ELISA **	96	200	2 - 36 ppm
HU0030024	SENSI*Spec* ELISA Walnut	96	350	2 - 60 ppm

* All kits are available in 48 wells size, too
** High sensitivity for pre treated samples; detects Total Soy Protein (not only the Soy Trypsin Inhibitor)

DN*Allergen2* RT-PCR Kits

The new range of RT-PCR kits complete our allergen offer with molecular testing method. This technique enables the detection of some specific allergens which are not easy to identify by immunoassays (e.g celery), and show no cross-reactivity with related species (e.g. mustard and rapeseed).

- Compatible with all kinds of cyclers on the market
- Cost-effective product with 50 reaction formats per kit
- Detection of some specific allergens and no cross-reactivity; higher sensitivity

Article No.	RT-PCR kits
HU0030225	DN*Allergen2* Almond
HU0030216	DN*Allergen2* Celery
HU0030222	DN*Allergen2* Crustacea

Article No.	RT-PCR kits
HU0030218	DN*Allergen2* Lupin
HU0030223	DN*Allergen2* Molluscs
HU0030215	DN*Allergen2* Mustard

Article No.	RT-PCR kits
HU0030224	DN*Allergen2* Peanut
HU0030219	DN*Allergen2* Sesame
HU0030217	DN*Allergen2* Soy

SENSI*Spec* 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.
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.**

PERFORMANCE TESTED AOAC RESEARCH INSTITUTE LICENSE NUMBER 052005

The SENSI*Spec* INgezim Gluten R5 test method has been evaluated and approved by the AOAC Research Institute Performance Tested Methods℠ 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.	SENSI*Spec* INgezim Gluten R5 / PTM Certificate #052005	96	3000	3 - 200 ppm
30.GL2.K.2.	SENSI*Spec* INgezim Gluten Quick	96	3000	3 - 200 ppm
30.GLH.K.2.	SENSI*Spec* INgezim Hydrolyzed Gluten	48	250	0.25 - 200 ppm
30.GSQ.K.2.	SENSI*Spec* INgezim Gluten Semi Q	32	10000	10 - 800 ppm

For gluten rapid testing, check our Gluten LFD kits, incuding the new SENSI*Strip* Gluten PowerLine!

SENSI*Spec* Allergen Spike Solutions

Our SENSI*Spec* Allergen Spiking Solutions can be used to produce positive control samples suitable for validation of all SENSI*Spec* Allergen ELISA kits, such as determination of recovery rate in a spike/recovery assay and matrix interference in a linearity assay. **SENSI*Spec* 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.

ELISA-processing robots: ThunderBolt® and The BOLT™

Fully automated ELISA analyzers with validated protocols for: **Almond, Casein, Egg White, Gluten, Hazelnut, Lupin, Milk, Mustard, Peanut, Soy, β-Lactoglobulin**

The BOLT™

1-plate ELISA Analyzer

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

ThunderBolt®

2-plate ELISA Analyzer

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

Compact microplate reader: GSD Absorbance 96

The most compact microplate reader for 96-well assays, compatible with all our ELISA plates. A highly robust device which delivers precise and accurate results whilst providing a maintenance-free user experience.

SENSI*Strip* Lateral Flow Tests

Article No.	Lateral flow kits	No. of tests	LOD - finished product	LOD - Surface
HU0030110	SENSI*Strip* Almond	20	2.5 ppm	0.007 µg/cm²
HU0030111	SENSI*Strip* Beta-Lactoglobulin	20	100 ppb	0.27 ng/cm²
HU0030112	SENSI*Strip* Casein	20	0.5 ppm	0.001 µg/cm²
HU0030113	SENSI*Strip* Cashew	20	2.5 ppm	0.007 µg/cm²
HU0030114	SENSI*Strip* Coconut	20	5 ppm	0.013 µg/cm²
HU0030115	SENSI*Strip* Crustaceans (Tropomyosin)	20	25 ppb	0.2 ng/cm²
HU0030116	SENSI*Strip* Egg White	20	0.5 ppm	0.001 µg/cm²
HU0030117	SENSI*Strip* Fish	20	6 ppm	16 ng/cm²
HU0030118	SENSI*Strip* Gluten	20	4 ppm	1.6 ng/cm²
HU0030134	SENSI*Strip* Gluten PowerLine	20	4 ppm	1.6 ng/cm²
HU0030119	SENSI*Strip* Hazelnut	20	2.5 ppm	0.007 µg/cm²
HU0030120	SENSI*Strip* Lupin	20	0.3 ppm	0.001 µg/cm²
HU0030121	SENSI*Strip* Lysozyme	20	50 ppb	0.13 ng/cm²
HU0030122	SENSI*Strip* Macadamia nut	20	2.5 ppm	0.007 µg/cm²
HU0030123	SENSI*Strip* Milk Protein	20	1 ppm	0.003 µg/cm²
HU0030138	SENSI*Strip* Milk Protein PowerLine NEW!	20	1 ppm	0.004 µg/cm²
HU0030136	SENSI*Strip* Multi Tree Nut	20	N/A	0.16 µg/cm2
HU0030125	SENSI*Strip* Mustard	20	2.5 ppm	0.007 µg/cm²
HU0030126	SENSI*Strip* Ovalbumin	20	0.1 ppm	0.001 µg/cm²
HU0030127	SENSI*Strip* Brazil nut	20	2.5 ppm	0.007 µg/cm²
HU0030128	SENSI*Strip* Peanut	20	2.5 ppm	0.007 µg/cm²
HU0030137	SENSI*Strip* Peanut PowerLine NEW!	20	5 ppm	0.013 µg/cm²
HU0030129	SENSI*Strip* Pecan nut	20	2.5 ppm	0.007 µg/cm²
HU0030130	SENSI*Strip* Pistachio	20	2.5 ppm	0.007 µg/cm²
HU0030131	SENSI*Strip* Sesame	20	2.5 ppm	0.007 µg/cm²
HU0030135	SENSI*Strip* Total Soy Protein PowerLine	20	2.5 ppm	0.007 µg/cm²
HU0030132	SENSI*Strip* Total Soy Protein	20	2.5 ppm	0.007 µg/cm²
HU0030133	SENSI*Strip* Walnut	20	2.5 ppm	0.007 µg/cm²

All SENSIStrip kits are available in a 5-test format as well.

Lateral Flow Reader for the SENSI*Strip* Kits

LFRSCAN002	RapidScan ST5 Lateral Flow Assay Reader
LFA0030001	LFD Reader Adapter for allergen strips

SENSI*Swab* Swabbing Kit

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

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