



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.



SENSISpec 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 SENSISpec 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.



SENSIStrip 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).



DNAllergen 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.

SENSISpec 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	SENSISpec ELISA Almond	96	60	0.4 - 10 ppm
HU0030002	SENSISpec ELISA Beta-Lactoglobulin	96	1.5	10 - 400 ppb
HU0030144	SENSISpec ELISA Buckwheat	96	60	0.06-0.35 ppm
HU0030003	SENSISpec ELISA Casein	96	30	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
HU0030240	SENSISpec ELISA Pine Nut	96	40	2 - 30 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	200	2 - 36 ppm
HU0030024	SENSISpec 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)

DNAllergen2 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	Article No.	RT-PCR kits	Article No.	RT-PCR kits
HU0030225	DNAllergen2 Almond	HU0030218	DNAllergen2 Lupin	HU0030224	DNAllergen2 Peanut
HU0030216	DNAllergen2 Celery	HU0030223	DNAllergen2 Molluscs	HU0030219	DNAllergen2 Sesame
HU0030222	DNAllergen2 Crustacea	HU0030215	DNAllergen2 Mustard	HU0030217	DNAllergen2 Soy

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.

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 MethodsSM 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 / 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

For gluten rapid testing, check our **Gluten LFD kits**, including the new **SENSIStrip Gluten PowerLine!**

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.

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.





SENSIS Strip Lateral Flow Tests

LFD kits for NUTS allergens detection

SENSIS Strip Almond	HU0030110
SENSIS Strip Brazil nut	HU0030127
SENSIS Strip Cashew	HU0030113
SENSIS Strip Cashew PowerLine	HU0030207
SENSIS Strip Coconut	HU0030114
SENSIS Strip Hazelnut	HU0030119
SENSIS Strip Hazelnut PowerLine	HU0030206
SENSIS Strip Macadamia nut	HU0030122
SENSIS Strip Multi Tree Nut	HU0030136
SENSIS Strip Peanut	HU0030128
SENSIS Strip Peanut PowerLine	HU0030137
SENSIS Strip Pecan nut	HU0030129
SENSIS Strip Pistachio	HU0030130
SENSIS Strip Pistachio PowerLine	HU0030255
SENSIS Strip Walnut	HU0030133

LFD kits for GLUTEN detection

SENSIS Strip Gluten	HU0030118
SENSIS Strip Gluten PowerLine	HU0030134

LFD kits for SEAFOOD allergens detection

SENSIS Strip Crustaceans (Tropomyosin)	HU0030115
SENSIS Strip Crustaceans PowerLine NEW!	HU0030254
SENSIS Strip Fish	HU0030117
SENSIS Strip Fish PowerLine	HU0030271

LFD kits for MILK allergens detection

SENSIS Strip Beta-Lactoglobulin	HU0030111
SENSIS Strip Casein	HU0030112
SENSIS Strip Casein PowerLine	HU0030242
SENSIS Strip Milk Protein	HU0030123
SENSIS Strip Milk Protein PowerLine	HU0030138

LFD kits for EGG allergens detection

SENSIS Strip Egg White	HU0030116
SENSIS Strip Egg Protein PowerLine	HU0030202
SENSIS Strip Lysozyme	HU0030121
SENSIS Strip Ovalbumin	HU0030126
SENSIS Strip Ovalbumin PowerLine NEW!	HU0030259

LFD kits for OTHER allergens detection

SENSIS Strip Lupin	HU0030120
SENSIS Strip Lupin PowerLine NEW!	HU0030256
SENSIS Strip Mustard	HU0030125
SENSIS Strip Mustard PowerLine	HU0030204
SENSIS Strip Sesame	HU0030131
SENSIS Strip Sesame PowerLine NEW!	HU0030270
SENSIS Strip Total Soy Protein	HU0030132
SENSIS Strip Total Soy Protein PowerLine	HU0030135
SENSIS Strip Walnut	HU0030133



Lateral Flow Reader for the SENSIS Strip Kits

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

SENSISwab 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

