



## Mycotoxin Screening Solutions

Mycotoxins are toxic secondary metabolites produced by moulds, which grow on a variety of different crops and foodstuffs such as cereals, nuts, spices, dried fruits, apples and coffee beans. It's not only plant-based foods that are at risk; milk may also have a presence of aflatoxin M1. Mycotoxins pose a health threat to humans, pets and livestock, therefore reliable and fast mycotoxin detection is essential to manage the risk of harmful mycotoxin contamination.

**Apply our comprehensive solutions for mycotoxin screening – our technologies support your routine from farm to lab!**



### TEST KITS

#### Lateral Flow Kits

- Lab-in-a-hand SENSIStrip LFD kits

#### ELISA Assays

- Cost-efficient B ZERO® ELISA test kits
- Harmonized and rapid Celer® ELISA test kits
- Water-based H2 ELISA test kits
- High sensitivity I'screen ELISA test kits



### INSTRUMENTS & AUTOMATION

#### • RapidScan ST5-W LFD Reader

Highly flexible, easy-to-use and accurate imaging platform for mycotoxins, pesticides, allergens and GMO screening

#### • GSD Absorbance 96 ELISA Reader

The most compact microplate reader on the market

#### • ThunderBolt® and The BOLT™ ELISA Analyzers

Automation for all the steps of any plate-based assay. Validated for B ZERO® and Celer® ELISA kits



### CLEAN UP DEVICES

- SENSIColumn Immunoaffinity Columns
- Extensive portfolio of mycotoxin IACs for the majority of regulated substances
- Simple and reliable sample purification solutions, applicable to various matrices



### SERVICES

#### • R&D customized development

Trust our 30-year experience in the mycotoxins field and ask our experts for customised solutions

- Technical trainings and maintenance for instruments

SENSIS*Strip* Lateral Flow Tests **NEW!**

Article No.	Product Name	Target	No. of Tests	Applications
R.30.AFL.K42/20	SENSIS <i>Strip</i> AFLA	Total aflatoxin	20	Corn, Barley, Sorghum, Oat Groats, Wheat, Brown Rice, Soybeans, Cow Feed, Peanut, Corn Gluten Meal
R.30.AFL.K42/100	SENSIS <i>Strip</i> AFLA	Total aflatoxin	100	
R.30.DON.K42/20	SENSIS <i>Strip</i> DON	Deoxynivalenol	20	Corn, Corn Germ, Corn Gluten Meal, Wheat, Whole Oats, Durum Wheat, Sorghum, Brown Rice, Barley, Rye
R.30.DON.K42/100	SENSIS <i>Strip</i> DON	Deoxynivalenol	100	

SENSIS*Strip* Equipment and Accessories **NEW!**

Article No.	Product Name	Description
LFRSCAN002	RapidScan ST5-W Lateral Flow Assay Reader	Gold Standard Diagnostics strip reader, suitable for allergens, GMO, pesticides and mycotoxins digital analysis
LFA0040002	RapidScan Reader Adapter for SENSIS <i>Strip</i> Mycotoxin Strips	Adapter for RapidScan to enable the use with mycotoxin strips
LFRINC002	MiniT Incubator for SENSIS <i>Strip</i> Mycotoxin Strips	Compact incubator to standardize the performance in any environmental conditions
HU0040302	Mini-Centrifuge	Optional item to speed up the sample preparation: compact mini-centrifuge for 1.5-2 ml tubes equipped with adapter, fixed speed at 10,000 rpm
R.00.049.3923002	Extraction powder for 50g, compatible with SENSIS <i>Strip</i> Mycotoxin Strips, 10 det	Extraction powder bags to analyse 50 g following the USDA – FGIS requirements

*Celer*<sup>®</sup> Quantitative ELISA Test Kits

Product	Target	Product description	No. of wells	Article No.
<i>Celer</i> <sup>®</sup> AFLA B1	Aflatoxin B1	Methanol-based assay for the specific detection of aflatoxin B1 in corn, sorghum, high moisture corn, silage and mash, feed, hazelnuts, pistachios, peanuts, almonds, raisins, figs, DDGS, cottonseed, soy, soybean meal.	96	HU0040004
			192	HU0040044
<i>Celer</i> <sup>®</sup> AFLA	Aflatoxins	Methanol- based assay for the detection of total aflatoxins in cereals, corn germ, feed, cottonseed, nuts, dried fruits, paprika, chilli, ginger.	96	HU0040011
			192	HU0040051
<i>Celer</i> <sup>®</sup> AFLA HS	Aflatoxins	High sensitivity methanol- based assay for the detection of total aflatoxins in maize, corn germ, corn silage, corn gluten meal, sorghum, brown rice, soybean meal, bovine feed, feed, DDGS, pistachio, peanut, cottonseed.	96	HU0040097
			192	HU0040098
<i>Celer</i> <sup>®</sup> DON v3	Deoxynivalenol	Methanol-based assay for the detection of deoxynivalenol in cereals, feed, DDGS	96	HU0040009
			192	HU0040049
<i>Celer</i> <sup>®</sup> ZEA	Zearalenone	Methanol-based assay for the detection of zearalenone in cereals, feed and DDGS	96	HU0040006
			192	HU0040046
<i>Celer</i> <sup>®</sup> FUMO	Fumonisins	Methanol-based assay for the detection of fumonisins in maize and feed.	96	HU0040012
			192	HU0040052
<i>Celer</i> <sup>®</sup> OCHRA	Ochratoxin	Methanol-based assay for the detection of ochratoxin in cereals	96	HU0040013
			192	HU0040063
<i>Celer</i> <sup>®</sup> T2	T-2 and HT-2 toxins	Methanol-based assay for the detection of both T-2 and HT-2 metabolite in cereals and feed	96	HU0040010
			192	HU0040050

*B ZERO*<sup>®</sup> Quantitative ELISA Test Kits

Product	Target	Product description	No. of wells	Article No.
<i>B ZERO</i> <sup>®</sup> AFLA B1	Aflatoxin B1	Methanol-based assay for the specific detection of aflatoxin B1 in corn, sorghum, high moisture corn, silage and mash, feed, hazelnuts, pistachios, peanuts, almonds, raisins, figs, DDGS, cottonseed, soy, soybean meal.	48	HU0040025
<i>B ZERO</i> <sup>®</sup> AFLA M1	Aflatoxin M1	Sensitive assay for the quantitative research of aflatoxin M1 in milk and dairy products with compliant sensitivity to EU regulation.	192	HU0040043
			96	HU0040003
			48	HU0040023
<i>B ZERO</i> <sup>®</sup> DON v2	Deoxynivalenol	Methanol-based assay for the detection of deoxynivalenol in cereals, feed, DDGS with shared sample preparation with other B ZERO assays	48	HU0040028
<i>B ZERO</i> <sup>®</sup> ZEA	Zearalenone	Methanol-based assay for the detection of zearalenone in cereals, feed and DDGS	48	HU0040027
<i>B ZERO</i> <sup>®</sup> FUMO	Fumonisins	Methanol-based assay for the detection of fumonisins in maize and feed.	48	HU0040034
<i>B ZERO</i> <sup>®</sup> OCHRA	Ochratoxin	Methanol-based assay for the detection of ochratoxin in cereals	48	HU0040035
<i>B ZERO</i> <sup>®</sup> T2	T-2 and HT-2 toxins	Methanol-based assay for the detection of both T-2 and HT-2 metabolite in cereals and feed	48	HU0040036

*l'screen* Quantitative ELISA Test Kits

Product	Target	Product description	No. of wells	Article No.
<i>l'screen</i> AFLA M1	Aflatoxin M1	Assay for detecting aflatoxins M1 in milk, yoghurt and cheese. LOD: Raw Milk 0.005 ppb, Milk Powder 0.05 ppb, Cheese 0.037, Firm cheese 0.12, Yoghurt 0.12	96	HU0040002
			192	HU0040042
<i>l'screen</i> AFLA M1 milk - AOAC certified	Aflatoxin M1	Assay for detecting aflatoxins M1 in milk. LOD: Raw Milk 0.005 ppb, Milk Powder 0.05 ppb	96	HU0040001
			192	HU0040041

Water-based Quantitative ELISA Test Kits

Product	Target	Product description	No. of wells	Article No.
H2AFLA	Aflatoxin	Solvent-free assay for the quantitative detection of total aflatoxins in maize, corn germ, wheat, rice, sorghum, barley, peanut, copra, pistachio, walnut, almond, soybean meal and feed.	96	HU0040055
H2DON	Deoxynivalenol	Solvent-free assay for the quantitative detection of total deoxynivalenol (vomitoxin) in cereals, corn, gluten meal, swine feed, DDGS, soybean meal, malted barley, wheat bran and middlings, and rye.	96	HU0040017

Available Kits on Automated Platform

Multiple mycotoxin assays can also be run by automatic analysers and have been validated for the BOLT<sup>™</sup>, a compact, user-friendly ELISA robot that can lead to considerable savings.

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

The BOLT<sup>™</sup>



Fully-automated  
1-plate ELISA Analyzer

## Patulin ELISA Kit **NEW!**

The rapid quantitative Patulin ELISA (enzyme-linked immunosorbent assay) 96 micro-well test kits help identify patulin contamination in juice production on-site and can benefit juice companies by saving time and costs for the quality and fast control of products through the entire juice production/food chain supporting informed decision-making.

Product Name	Article Number	Applications	Test Kit Range
Patulin ELISA 96-test kit	500106	Apple juice, apple cider, apple sauce and orange juice	7.00 ppb to 300 ppb
Patulin 1X6 ELISA 96-test kit	500110	Apple juice, apple cider, apple sauce and orange juice	7.00 ppb to 300 ppb

## Immunoaffinity Columns

Product Name	Article Number
SENSI <i>Column</i> IAC Aflatoxin total	EFAF3105
SENSI <i>Column</i> IAC Aflatoxin M1	EFAFM3115
SENSI <i>Column</i> IAC Ochratoxin	EFOT3125
SENSI <i>Column</i> IAC Ochratoxin SMART	EFOTS3125
SENSI <i>Column</i> IAC Zearalenone	EFZE3155
SENSI <i>Column</i> IAC Zearalenone SMART	EFZES3155
SENSI <i>Column</i> IAC Deoxynivalenol	EFDO3135

Product Name	Article Number
SENSI <i>Column</i> IAC Fumonisin	EFFU3145
SENSI <i>Column</i> IAC T2/HT2	EFTE3165
SENSI <i>Column</i> IAC Combi Afla+Ochra	EFCA3215
SENSI <i>Column</i> IAC Combi Afla+Ochra+Zeara	EFCZ3225
SENSI <i>Column</i> IAC Combi Deoxynivalenol+Zearalenone	EFCD3235
SENSI <i>Column</i> IAC Combi AOZDFT All in one for LC-MS/MS	EFCM3265
SENSI <i>Column</i> IAC Ergot Alkaloids	EFLS3275

## Key Benefits of the IACs

- Excellent flow behaviour
- Highly specific purification with monoclonal antibodies
- Availability of specific columns and 'combi' columns for mycotoxin groups
- Wide range of application for various matrices
- Multi-analyte IACs for LC-MS/MS application
- Long shelf-life
- Fast (15-30 mins)