



## Testing Solutions for the Grain Industry

Grains are one of the primary food sources for people and animals. Complying with sector-specific regulations and requirements is essential throughout the entire production chain from raw ingredients to final products in order to ensure consistency, reliability and repeatability.

In order to meet these specified standards, we offer a comprehensive analytical test and automation solutions for your organization or facility aiming to prevent any health risks on animals or humans as well to reduce the possibility of non-compliance, negative publicity and safeguard your animal/livestock's health.

### Versatile Test Kits Portfolio

Traditional analytical laboratory testing can often be costly and time consuming. Our commercially available test kits allow for accurate, fast and reliable testing, providing near real time answers for critical decision-making, often at a lower cost than traditional methods.

Improve your processes more efficiently with our range of sensitive test kits portfolio:

- Mycotoxins
- Glyphosate / Pesticides
- Allergens: Gluten, Soy, Peanut, Tree Nuts and more
- GMOs
- Veterinary Drug Residues, Histamine, Melamine and more

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## Glyphosate / Pesticides



We offer the only commercially available quantitative glyphosate ELISA test kits and semi-quantitative/qualitative glyphosate lateral flow test strip kits. Tests are available for wheat, oats, corn, soybean, legumes and more.

### ELISA Test Kits

- Quantitative results
- Rapid, laboratory-based analysis
- Improves turnaround by eliminating delays associated with sample shipment for offsite

### Lateral Flow Tests

- Rapid screening and for on-site decision-making
- Semi-quantitative / qualitative results
- No laboratory equipment or trained staff needed
- Answers ~ 20 mins



## Mycotoxins

Mycotoxins concern not only in grains, coffee, cocoa, wine and spices, but are also a relevant to the dairy industry, in particular for the presence of aflatoxin M1. Many countries have strict regulations concerning the maximum level of different groups of mycotoxins in food and feed as their frequent occurrence can lead to various human diseases.

### Available Testing Methods

- **BZERO**<sup>®</sup>: ELISA test kits for low analytical volumes, no calibration curve; results in less than 30 min; most cost-effective ELISA test kits available on the market
- **Celer**<sup>®</sup>: Fast ELISA test kits with validated protocols for automation
- **I'Screen**: Accurate, precise, high sensitive ELISA test kits with validated protocols for automation
- **H2Myco**: New kits based on solvent-free mycotoxins extraction
- **Immunoaffinity Columns**: For simple and reliable sample purification

### Mycotoxin Analysis

- Aflatoxin M1
- Total B and G aflatoxins
- Aflatoxin B1
- Deoxynivalenol
- Fumonisin
- Ochratoxin A
- T-2 and HT-2 toxins
- Zearalenone



## GMOs

GMO analysis can be performed either in the field or in a testing laboratory. As time is an important competitive factor for the food and feed industry, intelligent analytical approaches that offer fast and cost-efficient analysis are essential. An extensive portfolio of GMO testing kits is available in conventional PCR and real-time PCR, ELISA and rapid test formats for the key genetically modified crops, such as cotton, soybean, corn and canola.

## Allergens



Most food allergies are caused by eight foods including peanuts, soybeans, tree nuts, and wheat. The U.S. Food and Drug Administration (FDA) requires declaration of the presence of these allergens on labels of food products under its jurisdiction. Cross contamination in field during harvesting and transportation require rapid, simple test methods. The SensiStrip lateral flow tests offer semi-quantitative results in < 10 mins.



Lateral Flow Strip Tests for Glyphosate, Allergens & GMOs are validated on the semi-quantitative: **RapidScan LFD Reader**

Multiple ELISA kit protocols are validated on the fully-automated platform: **The Bolt™**

