



Rapid Testing Solutions for the Dairy Industry

Within the dairy industry, regardless of product type, testing of raw ingredients and final products is of significant importance, both for regulatory and quality purposes. Diagnostic solutions for food pathogens, aflatoxins, allergens or veterinary drug residues don't need to be expensive or time consuming. Testing options include both in-house solutions or tests that can be carried out on site to reduce both time to results and costs.

Broad range of test kits for the dairy industry

Gold Standard Diagnostics is a fast-growing provider of diagnostic technologies in the fields of food, feed and environmental testing. We offer a broad range of product test kits to ensure food safety throughout the dairy industry value stream with a choice of testing methods including ELISA kits, lateral flow tests and PCR kits.

Dairy industry value chain and applicable Gold Standard Diagnostics testing kits



Animal Health

- Veterinary Drug Residues
- Animal Health diagnostics



Ingredients, Feed & Milk

- Mycotoxins



Production & Processing

- Allergens
- Pathogens



Distribution & consumption

- Allergens
- Pathogens

Microbiology



Milk and products derived from milk can be important sources of foodborne pathogens. *Listeria* and *Salmonella* bacteria can survive and thrive in post-pasteurization processing environments leading to the recontamination of dairy products and presenting a potential risk to the consumer.

Our **BACGene real-time PCR kits** enable a reliable and fast detection of *Listeria* and *Salmonella* species in dairy products.

The **Path-Chek rapid tests** are the optimal solution for the detection of a range of bacteria (*Salmonella*, *Listeria* and Coliforms) on work surfaces and in the processing environment.

Animal health and feed



Contaminated feed may cause the presence of aflatoxin M1 in cow milk. Due to its toxicity, the level of aflatoxin M1 in milk products is strictly regulated. The screening of milk and dairy products for drug residues is mandatory as well, due to the threat it represents to human health.

Regular serological monitoring of livestock is essential to identify and to manage infectious diseases as such outbreaks can have very serious consequences.

Our diagnostic kits provide rapid, precise and reliable solutions for:

- **Aflatoxin M1 detection:** the sensitivity of the **I'screen AFLA M1 milk** ELISA kit allows the detection of aflatoxin M1 in raw bovine whole milk, skim milk and milk powder at concentrations below the regulatory limits set by the European Union. The limit of detection (LOD) is 5 ng/L for liquid milk and 50 ng/L for milk powder.
- **Drug residues screening:** ELISA kits for a wide range of antimicrobials, beta-agonists, steroids and corticosteroids
- **Veterinary diagnostics:** ELISA, LFD and PCR kits for viral, bacterial and parasitic pathologies of ruminants

Allergens



Reliable detection of the presence of potential allergens caused by cross-contaminations is often needed in dairy production and processing facilities. Gold Standard Diagnostics offers a **full range of food allergen ELISA and lateral flow test kits** which provide accurate and fast results and are available for all key allergens including gluten, soy, peanut, tree nuts, egg, fish, milk, casein, sesame, beta-lactoglobulin and more.

Automation Solutions

We offer a broad menu of innovative, fully-automated, user friendly and compact instruments.



The BOLT™

1-plate ELISA Analyzer

- Intuitive user interface
- Space saving device
- High precision syringes
- Validated for multiple mycotoxins, allergens and VDR ELISAs



RapidScan ST5-W

Lateral Flow Assay Reader

- Portable and highly flexible
- Easy to use and accurate
- Qualitative to semi-quantitative test results
- Validated for a wide range of lateral flow tests

