



Rapid Quantitative Analysis of Mycotoxins

To ensure quality and safety, food and beverage manufacturers need to perform a wide range of tests on their products. Many of these tests are based around enzyme linked immunosorbent assay (ELISA) due to speed, ease of use, low cost and quality of result.

Gold Standard Diagnostics offers ELISA tests for the rapid detection of mycotoxins in food and beverages. Mycotoxins are a family of toxic secondary metabolites produced by molds in grains, fruits and other foodstuffs and are the cause for a range of health risks in both humans and animals. Due to these health risks, national and international health authorities aimed at controlling the presence of mycotoxins in food and feed.

Mycotoxins are found in various food and beverage industries including dairy (Aflatoxin M₁), grain, feed and pet food (Aflatoxin, Ochratoxin, Vomitoxin), fruit juices (Patulin) and more.

Gold Standard Diagnostics test kits are available for the rapid detection of these key mycotoxins.

Key Benefits of Mycotoxin Test Kits

- Whole grain durum wheat
- Rapid, on-site or laboratory-based analysis
- Quantitative results
- Answers in 3-4 hours, not days
- Simple methodology requires basic lab skills
- Improves turnaround by eliminating delays associated with sample shipment for offsite analysis
- Ability to run high volume of samples (41 per test kit)
- Low per sample cost



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Ordering

Our quantitative mycotoxin ELISA plate kits include materials and reagents for sample analysis. See specific test kit user guides for sample collection and extraction materials that may need to be ordered separately for certain sample matrices.

Mycotoxin Test Kit	Applications	Limit of Detection	Part No.
Aflatoxin B1 96 well ELISA	Nuts, Grains, GrainProducts	2.0 ppb	53012B
Aflatoxin M1 96 well ELISA	Raw Milk, Milk	3.0 ppb	53012M
Ochratoxin A/B/C96 well ELISA	Roasted Green Coffee	2.5 ppb	53020BA
	Grains	1.25 ppb	
	Beer	0.5 ppb	
	Wine	1.75 ppb	
	Pet Food (Baby Food)	5.0 ppb TBD	
Patulin ELISA 96-well test	Apple Juice, Apple Cider, Applesauce, Orange Juice	7.0 PPB	500106
Patulin 1X6 ELISA 96-well test	Apple Juice, Apple Cider, Applesauce, Orange Juice	7.0 PPB	500110
Vomitoxin (DON) 96 well ELISA	Wheat, Barley, Malted Barley, Oats	0.2 PPM	53016B (5 kitmin.)

Contact us at sales.abrax@us.goldstandarddiagnostics.com for a copy of the Technical bulletin describing clean up method required to achieve this range.

Applications for other sample matrices may also be available. Contact us to discuss your special needs and to learn more about available applications.

**We also offer ELISA plate readers and fully automated test systems.
Contact us or visit our website to learn more.**