



BFD

Food Safety Innovation

Mycotoxin Analysis



Mycotoxin Analysis

Kit Description	Cat. No	Assay Time	Specificity	Kit Size	Sample Types	Limit of Detection (LoD)
Aflatoxin B1	BXEFT01A	15 Mins	Aflatoxin B1 100%; Aflatoxin B2 5% Aflatoxin G1 19%; Aflatoxin G2 <1%	96T	Feed/Cereal Dried Fruit Nuts	1ppb 1ppb 1ppb
Aflatoxin M1	BXEFB15A	20 Mins	Aflatoxin M1 100%; Aflatoxin M2 <0.1%	96T	Milk (raw and homogenized) Milk powder	0.025ppb 0.05ppb
Deoxynivalenol (DON)	BXEFT18A	20 Mins	3-acetyl-DON >100%; DON 100% 3-glucosyl-DON 60 ± 10% 15-acetyl-DON 2%; Nivalenol 3%	96T	Cereals (maize/wheat) Feed Durum Wheat Barley Wheat Bran/Middlings	0.04ppm 0.04ppm 0.12ppm 0.04ppb 0.25ppb
Fumonisin	BXEFB38A	35 Mins	Fumonisin B1 100%; FumonisinB2 32% FumonisinB3 33%	96T	Feed/Grains	103ppb
Ochratoxin	BXEFB52A	35 Mins	Ochratoxin A 100%	96T	Feed/Grains	1.2ppb
T2/HT2	BXEFT20A	20 Mins	T2 Toxin 100%; HT2 Toxin 72%	96T	Cereals Feed	25ppb 50ppb
Total Aflatoxins	BXEFB09A	35 Mins	This test has the ability to detect the sum of Aflatoxin B1, B2, G1, G2.	96T	Peanut Animal Feed/Cereal	1ppb (0-20ng/ml) 2ppb (0-100ng/ml)
Zearalenone	BXEFT19A	20 Mins	Zearalenone 100%; α-zearalenol 62% Zearalenone 24%; α-zearalenol 10 % β-zearalenol 8%; β-zearalenol 5%	96T	Cereals/Feed DDGS	10ppb (maize based) 20ppb (wheat based) 10ppb

Why Choose Biorex Food Diagnostics?

- High levels of technical support
- Can react to customers emerging needs quickly
- Smooth and rapid custom clearance of products
- All kits are validated in accordance to EU Directive 2002/657
- Manufactured in a UK based ISO accredited facility
- Excellent customer service
- Quick delivery time
- Excellent correlation with FAPAS samples

Mycotoxin Standard Solutions

- High purity liquid ready-to-use solutions
- Can be used for calibration and method validations
- Suitable as quality controls for all screening and confirmatory test methods

Description	Cat No.
Ochratoxin A Solution 10ug/ml	BXEFF01A
Aflatoxin B1 Solution 2ug/ml	BXEFF02A
Aflatoxin B2 Solution 0.5ug/ml	BXEFF03A
Aflatoxin G1 Solution 2ug/ml	BXEFF04A
Aflatoxin G2 Solution 0.5ug/ml	BXEFF05A
Aflatoxin M1 Solution 0.5ug/ml	BXEFF06A
DON Solution 100ug/ml	BXEFF08A

Description	Cat No.
Fumonisin B1 Solution 50ug /ml	BXEFF09A
Fumonisin B2 Solution 50ug/ml	BXEFF10A
Fumonisin B3 Solution 50ug/ml	BXEFF11A
Nivalenol Solution 100ug/ml	BXEFF14A
Zearalenone Solution 100ug/ml	BXEFF07A
3-Acetyl DON Solution 100ug/ml	BXEFF12A
15-Acetyl DON Solution 100ug/ml	BXEFF13A

Key Benefits of Biorex Food Diagnostics Mycotoxin Testing

- Fast assay time
- Excellent precision & accuracy <10%
- Low limits of detection
- Liquid, ready to use reagents
- Excellent correlation with external reference samples.
- Breakable well plates

Currently In Development

New "Flowsense" Rapid Lateral Flow Devices

- Qualitative and Quantitative reporting
- Single, dual and multi-target
- Targets to include: Total Aflatoxin, Aflatoxin B1, Deoxynivalenol (DON), Zearalenone, Fumonisin and T2/HT2

Dedicated "Flowsense" Test Reader

- Enhanced sensitivity
- Data storage and connectivity capabilities
- Automated reading process
- Reduce subjectivity (data digitally captured)
- Compliance with regulatory standards

