



BFD

Food Safety Innovation



MYCOTOXIN ANALYSIS

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 Analysis

Kit Description	Cat.No	Assay Time	Specificity	Kit Size	Sample Types	Limit of Detection
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	35mins	Fumonisin B1 100% Fumonisin B2 32% Fumonisin B3 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



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 BFD Mycotoxin Analysis

- 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



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