

Biorex

food diagnostics

Food & Feed

Safety Testing Kits



Quality Management System
Certified to ISO 13485 & ISO 9001



Who are Biorex Food Diagnostics?

Biorex Food Diagnostics was established in October 2014, acting as a subsidiary of Fortress Diagnostics (a renowned global IVD provider). We are dedicated to the development and supply of food safety tests and offer immunoassay ELISA kits covering a wide range of drug classes and food types. To date we offer tests for growth hormones, antibiotics, mycotoxins, pesticides and allergens.

Biorex Food Diagnostics also offer mycotoxin standard solutions that can be used as reference material for both ELISA and confirmatory analysis. Our testing platform will also be extending into lateral flow (single and multiplex formats) and other novel and innovative formats.

Biorex Food Diagnostics kits are used globally by food producers, governmental laboratories, customs import/export houses and 3rd party service laboratories and we currently export to 28 countries across 5 continents. These tests are used for the determination of prohibited drugs that can be abused and used illegally in the agriculture and animal husbandry industries.

Why purchase our kits?

We deliver tests that are easy to use, robust, reliable, accurate and fast improving food and feed safety and security worldwide.

The company is committed to continual investment in R&D, ensuring that our testing solutions remain current and answer the needs of the food testing market.

All our test products are manufactured in our ISO 13485 certified manufacturing facility in the UK, ensuring the highest quality standard is constantly maintained.

Features Of Our Kits:

- Fast Assay Time
- Low false positive rate
- Excellent precision/accuracy
- Easy to use kit format
- 42 samples can be analysed in a single run
- Validated in accordance with EU directive 2002/657
- Ready to use reagents
- Cost effective
- Reduces outsourcing & results turnaround time



ORDERING INFORMATION (NOTE: ALL TESTS ARE 96T ELISA KITS)

ANTIBIOTICS					
DESCRIPTION	CAT. NO.	ASSAY TIME	SPECIFICITY	SAMPLE TYPES	LIMIT OF DETECTION
AOZ	BXEFT04A	90mins	Furazolidone (AOZ) 100%	Honey	0.1ppb
AOZ FAST	BXEFB41A	45mins	Furazolidone (AOZ) 100%	Shrimp	0.19ppb
				Honey	TBC
AMOZ	BXEFT03A	90mins	Furaltadone (AMOZ) 100%	Honey	0.1ppb
				Egg	0.1ppb
AMOZ FAST	BXEFB42A	45mins	Furaltadone (AMOZ) 100%	Shrimp	0.08ppb
				Honey	TBC
AHD FAST	BXEFA08A	50mins	1-aminohydantoin (AHD) 100%	Chicken	0.25ppb
				Milk	0.25ppb
				Honey	0.4ppb
AHD FAST V2	BXEFB43A	45mins	1-aminohydantoin (AHD) 100%	Shrimp	0.2ppb
				Honey	TBC
SEM FAST	BXEFA09A	50mins	Semicarbazide (SEM) 100%	Chicken	0.4ppb
				Milk	0.1ppb
				Honey	0.3ppb
SEM FAST V2	BXEFB44A	45mins	Semicarbazide (SEM) 100%	Shrimp	0.1ppb
				Honey	TBC
Streptomycin FAST	BXEFB37A	60mins	Streptomycin 100% Dihydrostreptomycin 129%	Honey	5ppb
Quinolones FAST	BXEFB07A	45mins	Enrofloxacin 100%; Difloxacin 26% Norfloxacin 100%; Sarafloxacin 20% Ciprofloxacin 90%; Danofloxacin 65%; Marbofloxacin 65%	Seafood/Shrimp	1ppb
				Honey	4ppb
Tetracycline/plus epimers	BXEFA06A	80mins	Oxytetracycline 100%; Tetracycline 105% Chlortetracycline 77%; Doxycycline 50% 4-epi-tetracycline 90% 4-epi-oxytetracycline 67% 4-epi-chlortetracycline 28%	Meat	10ppb
				Milk	4ppb
				Honey	6ppb
				Shrimp	4ppb
Nitromidazole (Metronidazole)	BXEFB40A	55mins	Metronidazole 100%; Dimetridazole >100% Ronidazole <1%	Honey	3ppb
Dimetridazole	BXEFB45A	55mins	Dimetridazole 100%; Metronidazole 28%	Shrimp	1.5ppb
Multi-Sulfonamide	BXEFT08A	75mins	Sulfamethazine 100%; Sulfamethizole >100% Sulfaquinolaxaline >100%; Sulfadiazine >100% Sulfamerazine >100%; Sulfamonomethoxine >100% Sulfapyridazine >100%; Sulfathiazole >100% Sulfamethoxazole 92%; Sulfisoxazole 55% Sulfapyridine 34%	Honey (Rapid)	CCβ 20ppb
				Honey (SPE Screen)	3ppb
				Urine	50ppb
				Muscle/ Seafood	10ppb
Tylosin	BXEFT13A	50mins	Tylosin A 100%	Honey Seafood	1ppb 10ppb
Chloramphenicol Fast	BXEFB03A	45mins	Chloramphenicol 100% Chloramphenicol Glucuronide >100%	Shrimp/Prawn	0.05ppb
				Urine	0.1ppb
				Milk	0.1ppb
				Honey	0.05ppb
GROWTH HORMONES					
DESCRIPTION	CAT. NO.	ASSAY TIME	SPECIFICITY	SAMPLE TYPES	LIMIT OF DETECTION
Beta Agonists	BXEFT05A	80mins	Clenbuterol 100%; Cimbuterol 96% Salbutamol 80%; Bromobuterol 77% Mabuterol 55%; Carbuterol 55% Clenpenterol 55%; Mapenterol 45%; Clenproperol 35%; Terbutaline 30% Cimaterol 11%	Meat/Muscle	0.092ppb
				Urine	0.185ppb
				Feed	3.7ppb
				Liver	0.3ppb

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GROWTH HORMONES					
DESCRIPTION	CAT. NO.	ASSAY TIME	SPECIFICITY	SAMPLE TYPES	LIMIT OF DETECTION
Ractopamine	BXEFT11A	45mins	Ractopamine 100%	Liver	1ppb
				Muscle	0.3ppb
				Urine	0.25ppb
				Milk	0.15ppb
				Feed	3ppb
Clenbuterol FAST	BXEFB04A	45mins	Clenbuterol 100%; Mabuterol 65% Mapenterol 46%; Brombuterol 43% Bromchlorobuterol 40%; Clenpenterol 34% Cimbuterol 23%; Clenproperol 8% Salbutamol 4%; Hydroxy-Methylenbuterol 4% Terbutaline 3%; Cimaterol 3% Bambuterol 2%; Clencylohexerol <0.05%	Urine	0.2ppb
				Serum	0.2ppb
				Tissue	0.2ppb
Zeranol	BXEFT17A	105mins	Zeranol 100%; Zearalanone 447% β-zearalanol (Taleranol) 115%; Zearalenone 24%; α-zearalenol 55%	Urine	0.5ppb
Trenbolone	BXEFB14A	60mins	17-β-Trenbolone 100 %; 17-α-Trenbolone 55 %; 19-Nortestosterone 4.0 %; Testosterone < 0.01%; 17-Methyltestosterone < 0.01%; 17-β-Estradiol < 0.01%; Estrone < 0.01%; Estril < 0.01%	Cattle Urines	1ppb
Diethylstilbestrol (DES)	BXEFT16A	105mins	Diethylstilbestrol (DES) 100%; Hexestrol 30%; Dienestrol 3%	Urine	0.2ppb
				Tissue	0.6ppb
PESTICIDES					
DESCRIPTION	CAT. NO.	ASSAY TIME	SPECIFICITY	SAMPLE TYPES	LIMIT OF DETECTION
Fipronil	BXEFB36A	75mins	Fipronil 100%; Fipronil Sulfone 118%; Fiponil Sulfide 77%	Liquid Egg	CCβ 2.5ppb
MYCOTOXIN STANDARD SOLUTIONS					
MYCOTOXIN STANDARD SOLUTIONS	CAT. NO.	PURITY	SOLVENT	RAW MATERIALS	CAS NO.
Ochratoxin A Solution 10ug/ml	BXEFF01A	>99.9%	Acetonitrile HPLC grade Supra-gradient, 99.97%	Ochratoxin A, Benzene Free, From Aspergillus Ochraceus	303-47-9
Aflatoxin B1 Solution 2ug/ml	BXEFF02A	99.90%	Acetonitrile HPLC grade Supra-gradient, 99.97%	Aflatoxin B1 From Aspergillus flavus	1162-65-8
Aflatoxin B2 Solution 0.5ug/ml	BXEFF03A	100%	Acetonitrile HPLC grade Supra-gradient, 99.97%	Aflatoxin B2 From Aspergillus flavus	7220-81-7
Aflatoxin G1 Solution 2ug/ml	BXEFF04A	98.57%	Acetonitrile HPLC grade Supra-gradient, 99.97%	Aflatoxin G1 From Aspergillus flavus	1165-39-5
Aflatoxin G2 Solution 0.5ug/ml	BXEFF05A	99.80%	Acetonitrile HPLC grade Supra-gradient, 99.97%	Aflatoxin G2 From Aspergillus flavus	7241-98-7
Aflatoxin M1 Solution 0.5ug/ml	BXEFF06A	99.89%	Acetonitrile HPLC grade Supra-gradient, 99.97%	Aflatoxin M1 From Aspergillus flavus	6795-23-9
Zearalenone Solution 100ug/ml	BXEFF07A	98.97%	Acetonitrile HPLC grade Supra-gradient, 99.97%	Zearalenone from Gibberella Zeae	17924-92-4
DON Solution 100ug/ml	BXEFF08A	99.72%	Acetonitrile HPLC grade Supra-gradient, 99.97%	Deoxynivalenol	51481-10-8
Fumonisin B1 Solution 50ug /ml	BXEFF09A	100%	Acetonitrile (HPLC grade Supra-gradient, 99.97%): water, 1:1	Fumonisin B1 from Fusarium moniliforme	116355-83-0
Fumonisin B2 Solution 50ug/ml	BXEFF10A	100.00%	Acetonitrile (HPLC grade Supra-gradient, 99.97%): water, 1:1	Fumonisin B2 from Fusarium moniliforme	116355-84-1
Fumonisin B3 Solution 50ug/ml	BXEFF11A	>99%	Acetonitrile (HPLC grade Supra-gradient, 99.97%): water, 1:1	Fumonisin B3 from Fusarium moniliforme	136379-59-4
3-Acetyl DON Solution 100ug/ml	BXEFF12A	99.66%	Acetonitrile HPLC grade Supra-gradient, 99.97%	3-Acetyl-DON	50722-28-8
15-Acetyl DON Solution 100ug/ml	BXEFF13A	94.7%	Acetonitrile (HPLC grade Supra-gradient, 99.97%): water, 1:1	15-Acetyl Deoxynivalenol	88337-96-6
Nivalenol Solution 100ug/ml	BXEFF14A	99.66%	Acetonitrile HPLC grade Supra-gradient, 99.97%	Nivalenol from Fusarium SP	23282-20-4

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MYCOTOXINS					
DESCRIPTION	CAT. NO.	ASSAY TIME	SPECIFICITY	SAMPLE TYPES	LIMIT OF DETECTION
Deoxynivalenol (DON)	BXEFT18A	20mins	3-acetyl-DON >100% DON 100% 3-glucosyl-DON 60 ± 10% 15-acetyl-DON 2%	Maize, Wheat	0.04ppm
				Feed	0.04ppm
				Duram Wheat	0.12ppm
Zearalenone	BXEFT19A	20mins	Zearalenone 100%; -zearalenol 65 ± 9%; Zearalenone 26 ± 2%; -zearalenol 12 ± 2 % β-zearalenol 9%; β-zearalenol 5%	Cereals	10ppb
				Feed	
Total Aflatoxins	BXEFT02A	15mins	This test has the ability of detection of B1, B2, G1, G2 (Aflatoxin B1 100%)	Grains/Cereals	2ppb
				Nuts	1ppb
Aflatoxin B1	BXEFT01A	15mins	Aflatoxin B1 100%; Aflatoxin B2 5% Aflatoxin G1 19%; Aflatoxin G2 <1%	Cereals	All 1ppb
				High Moisture Corn	
				Silage/Mash	
				Feed	
				Nuts	
Aflatoxin M1	BXEFB15A	20mins	Aflatoxin M1 100%; Aflatoxin M2 < 0,1%	Milk	0.025ppb
				Milk Powder	0.05ppb
Ochratoxin A	BXEFT09A	40mins	Ochratoxin A 100%; Aflatoxin B1 <0.1%; DON <0.1%; Zearalenone <0.1%	Feed/Grains	2ppb
				Cocoa	1ppb
				Wine	0.5ppb

HONEY QUALITY PARAMETERS

DESCRIPTION	CAT. NO.	METHOD	NO OF TESTS
Analyst 2010	BIOX2010	Instrumentation	N/A
HMF (Hydroxymethylfurfural)	BXEFC01A	Colorimetric	100
Glucose / Fructose	BXEFC02A	Colorimetric	200
Diastase	BXEFC03A	Colorimetric	100

Emerging developments:

Biorex Food Diagnostics have invested heavily into R&D to ensure that we are able to react FAST to any new emerging drugs entering the human food chain that require monitoring. We have excellent connections with many of the major Food Safety Institutes within the EU and work closely with these organisations responding to their needs. Multiplex testing platforms for a range of drugs are also in development.

Kits in development:

Coccidiostats

- Nicarbazin, Lasalocid, Monesin, Salinomycin, Narasin, Maduramicin

Mycotoxins

- Fumonisin, T2/H2

Fungicides

- Malachite Green, Crystal Violet

Marine Biotoxins

- Tetrodotoxins, Polycyclic Aromatic Hydrocarbons, Onadaic Acid, Dinophysistoxins, Domoic Acid, and Saxitoxins

Anthelmintic

- Avermectins

Growth Hormones

- Zilpaterol

Antibiotic

- FAST AOZ, AMOZ, AHD, SEM, & Tetracycline

Pesticides

- Thiamethoxam, Picoxystrobin, Carbendazim, Benomyl, Thiabendazole, Imidacloprid, Clothianidin, Thiacloprid



Highlighted Project:

“Nano-array lateral flow diagnostic for the rapid detection of antibiotics in food”

In June 2017 Biorex Food Diagnostics along with 3 other organisations secured a 3 year €1.63million funding from the Eurostars-2- joint programme with co-funding from the European Horizon 2020 research and innovation programme.

The objective of the project is to develop a prototype kit for multi-analyte antibiotic screening for use in the honey and seafood industries. The prototype will be a novel rapid (≤ 10 mins) multiplex test which is not currently offered on the global market.

If you would like your company to be one of the first to trial this novel rapid test please contact us to express interest in becoming a Beta testing site.



Innovate UK



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Concerned about EGG contamination?

In August 2017, one of the largest global food recalls began across Europe in which millions of eggs were recalled from many supermarket shelves. It was discovered that the eggs could contain the harmful insecticide Fipronil and that the contamination had originated in Belgium and the Netherlands.

In response to this outbreak, Biorex Food Diagnostics developed for a unique Fipronil immunoassay test (Cat No. BXEFB36A) that egg producers could use in house, actively ensuring that the risk of a similar outbreak is reduced.

Key Features of Fipronil ELISA

- Adhere to government regulations for Fipronil
- Reduce expensive 3rd Party testing
- Strengthen internal factory Quality Control
- Fast Assay Time 75mins for 41 samples
- Reagents liquid ready to use
- Improve customer confidence in products

This kit provides a cost effective screening test for both, egg producers and food safety laboratories.

One stop lab consumables/equipment:

If you are new to the world of in house testing there is no need to worry about sourcing all the required equipment and consumables you need. We can provide all of these as a complete package to meet your needs:

Plate Reader/Washer, Centrifuge, Vortex, Pipettes, Sample Evaporators, Incubators, Water baths, Sample Tubes Etc.

Staff training can also be provided upon request.

Product	Catalogue Number
Microscan Mini (inc. Software)	BIOXMRS2
Centrifuge Universal 320R Refrigerated (small capacity)	BIOXBFD3R
Centrifuge Universal 320 (small capacity)	BIOXBFD3
Centrifuge Rotina 380 (large capacity)	BIOXBFD4
Centrifuge Rotina 380R (large capacity)	BIOXBFD4R
Waterbath Sub Aqua Dual 5litre and 12litre	BIOXBFD1
Vortex SA8	BIOXBFD7
Multi-Tube vortex	BIOXBFD8
Stuart Tube Roller (6) SRT6	BIOXBFD2
Overhead tube rotator	BIOXBFD9
Ph Meter	BIOXBFD10
Magnetic Stirrer	BIOXBFD11
Incubator	BIOXBFD12
Duo Plus Package	BIOXBFD5
Rotor Plate 28 Holes 16x100	BIOXBFD5-A
Driblock Sample Evaporator	BIOXBFD6
Fume hood	BIOXBFD13
Pipette 2-30ul	BIOXBFD14
Pipette 20-200ul	BIOXBFD15
Pipette 100-1000ul	BIOXBFD16
Multichannel pipette 8 channel 30-300ul	BIOXBFD17
10ml pipette	BIOXBFD18
10ml pipette tips	BIOXBFD19
Repetitive stepper pipette	BIOXBFD20

Product	Catalogue Number
Pipette Filler	BIOXBFD21
Test tube rack (6x12)	BIOXBFD22
Sterilin/falcon tube rack (3x8)	BIOXBFD23
Microcentrifuge racks 80 well (pack of 5)	BIOXBFD24
Wash Bottles 500ml (5 pack)	BIOXBFD25
Lint free tissue	BIOXBFD26
30ml sterilin tubes (450 BOX)	BIOXBFD27
1ml eppendorf tubes (500 tube bag)	BIOXBFD28
10ml plastic disposable pipette (500 box)	BIOXBFD29
Blue pipette tips (5000 box)	BIOXBFD30
Yellow pipette tips (10000 box)	BIOXBFD31
5ml amber vials (1000)	BIOXBFD32
10ml amber vials (1000)	BIOXBFD33
20ml amber vials (1000)	BIOXBFD34
Adhesive microtitre plate sealers (1000)	BIOXBFD35
33mm Ezee Syringe Filter, 0.22µm, PES, Sterile (Box of 50)	BIOXBFD36
Timer	BIOXBFD37
Glass Pipettes 5ml (pack 5)	BIOXBFD38
Glass Pipettes 10ml (pack 5)	BIOXBFD39
Reagent reservoir, 'V' shaped, autoclavable (pack 5)	BIOXBFD40
Glass test tubes 16 x 100mm (1000)	BIOXBFD41
Balance (precision)	BIOXBFD42
Balance	BIOXBFD43
Incubator (150 litre)	BIOXBFD44





Biorex Food Diagnostics has distributors in 33 countries worldwide.
Please contact us to find a local distributor in your area.

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