



**BFD**

Food Safety Innovation

# Honey Analysis



# Antibiotic Honey Analysis

Kit Description	Cat. No	Assay Time	Specificity	Kit Size	Sample Types	Limit of Detection
AHD FAST	BXEFB43A	45 Mins	2.NP.AHD 100%	96T	Honey	0.5ppb
AMOX FAST	BXEFB42A	45 Mins	2.NP.AMOZ 100%	96T	Honey I Honey II	0.1ppb 0.1ppb
AOZ FAST	BXEFB41A	45 Mins	2.NP.AOZ 100%	96T	Honey I Honey II	0.1ppb 0.3ppb
Chloramphenicol Fast	BXEFB03A	45 Mins	Chloramphenicol 100% Chloramphenicol Glucuronide >100%	96T	Honey	0.05ppb
Fluoroquinolones	BXEFB07A	45 Mins	Enrofloxacin 100%; Norfloxacin 100%; Ciprofloxacin 90% Marbofloxacin 65%; Difloxacin 26%; Sarafloxacin 20% Danofloxacin 65%	96T	Honey	4ppb
Multi-Sulfonamide (11 targets)	BXEFT08A	75 Mins	Sulfamethazine 100%; Sulfamethizole >100% Sulfaquinoxaline >100%; Sulfadiazine 100% Sulfamerazine >100%; Sulfamonomethoxine >100% Sulfapyridazine >100%; Sulfathiazole >100% Sulfamethoxazole 92%; Sulfisoxazole 55% Sulfapyridine 34%; Sulfadoxine 24%	96T	Honey	20ppb (Rapid Screen) 3ppb (SPE Screen)
Nitromidazole (Metronidazole)	BXEFB40A	55 Mins	Metronidazole 100%; Dimetridazole >100% Ronidazole <1%	96T	Honey	3ppb
SEM FAST	BXEFB44A	45 Mins	2.NP.SEM 100%	96T	Honey I Honey II	0.1ppb 0.1ppb
Streptomycin FAST	BXEFB37A	60 Mins	Streptomycin 100% Dihydrostreptomycin 129%	96T	Honey	5ppb
Tylosin	BXEFT13A	50 Mins	Tylosin A 100%	96T	Honey	1ppb

## Key Benefits of Biorex Food Diagnostics Honey Analysis

- No expensive analyser required.
- Rapid result time.
- Suitable for high throughput automation.
- Detection limits meet EU regulations.
- Minimal technical expertise required.
- Nitrofurans multiplex sample preparation.
- Spiking solution provided.
- Ready-to-use Nitrobenzaldehyde.
- Dedicated 4 parameter curve software.

## Honey Quality *Rapid, easy to use and cost effective honey quality tests.*

To determine honey quality measurements Biorex Food Diagnostics has developed a range of enzymatic tests. These tests offer honey producers the ability to determine not only quality, but also shelf life and ability to hold moisture.

With minimal capital outlay for the Prism instrument and easy-to-use interface, these tests can be used with very little technique expertise outside a laboratory environment.

Kit Description	Cat. No / No. of Tests	Method	Limit of Detection
PRISM Analyser	BIOXBFD48 / N/A	Instrumentation	N/A
Sucrose/Glucose/Fructose	BXEFC02A / 100T	Colorimetric	In development, coming soon
	BXEFC05B / 200T		
Glucose/Fructose	BXEFC02C / 50T	Colorimetric	Glucose: 2.3g/100g Total Sugars: 2.8g/100g
	BXEFC02A / 50T		
Glucose Controls (Low and High)	BXEFC04A / 50T	Colorimetric	
HMF	BXEFC01A / 100T	Colorimetric	2mg/kg

## Instrumentation & Software Available

Biorex Food Diagnostics offers a range of instrumentation for honey testing and a full laboratory service with additional training is available.

Instrumentation includes:

- Platerreader
- Sample evaporator
- Centrifuge
- Multi-vortexor
- pH meters
- Pipettes
- Prism
- Consumables.

## Currently In Development

### New "Flowsense" Rapid Lateral Flow Devices

- Qualitative and Quantitative reporting
- Single, dual and multi-target
- Targets to include antibiotics and pesticides.

### Dedicated "Flowsense" Test Reader

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

