



Empower your decision-making with **DIRECT MEASUREMENT** of **MYCOTOXIN EXPOSURE BIOMARKERS** in **BIRDS AND ANIMALS**

**UNDER
PATENT**

Mycο-Marker™

Blood and Feed Risk Assessment and Impact Analysis



Including quantitative assessment of 36 different toxins and metabolites

- 1** Analytical **DETECTION OF BIOMARKERS OF EXPOSURE IN BLOOD** from dried blood spots with HR LC-MS/MS analytical tools.
- 2** Analytical **ASSESSMENT OF RISK** from complex feed matrices and grains by high resolution LC-MS/MS testing of feedstuffs for 16 key mycotoxins.
- 3** Interpretation of blood and feed analysis **RESULTS** and differential diagnosis support.
- 4** Appropriate product strategy and dosing **RECOMMENDATIONS**.

Supported by in-house scientists and globally-recognized mycotoxin expertise.

**ONLY
AVAILABLE
FROM:**





Myco-Marker™ Biomonitoring:

- **DIRECT:** overcomes limits of feed sampling.
- **COMPREHENSIVE:** 36 toxins and metabolites - **Including key 'emerging' mycotoxins not found in standard feed tests.**
- **SIMPLE TESTING:** single blood drop per animal; 5 birds or animals per group.
- **EASY HANDLING:** No sample treatment, blood tubes, or special storage or shipment requirements.

Assessment of Dried Blood Spots for Multi-Mycotoxin Biomarker Analysis in Pigs and Broiler Chickens, *Toxins*, 2019, 11(9):541.

A UNIQUE AND POWERFUL MANAGEMENT TOOL

Direct exposure data enables better-informed mycotoxin management decisions and strategies.

80% of the positive blood tests in the Myco-Marker™ database would have been undetected by standard feed analysis alone.

Compare efficacy of different mycotoxin mitigation products and programs.

	PROGRAM 1	PROGRAM 2
FEED 	Deoxynivalenol (560 ppb)	Deoxynivalenol (1,100 ppb)
	Fumonisin (300 ppb)	Fumonisin (500 ppb)
	T-2 (50 ppb)	
	Zearalenone (50 ppb)	Zearalenone (80 ppb)
BLOOD 	Beauvericin (Traces)	Beauvericin (Traces)
	Deoxynivalenol-sulphate (100%)	Deoxynivalenol-sulphate (20%)
	Tenuazonic acid (100%; 1.1 ppb)	

Mycotoxins can impact EVERY animal EVERY day.

Mycotoxins are found in ALL diet types and environments.

Myco-Marker™ is the foundation for effective mitigation program development.

Evaluate effectiveness of current or test programs under on-farm conditions.

In a comparison field trial with 1,000 broilers, blood samples after just 14 days showed:

Competitor product	Novin® (Innovad®)
High aflatoxins Fumonisin FIVE additional toxins	ONLY Beauvericin, Tenuazonic acid

Compiled data that correlates mycotoxin exposure to other health issues, as shown in the examples below*, can improve preventive ROI calculations.

- ✓ 94% of poultry farms that reported experiencing necrotic enteritis tested positive for DON;
- ✓ Kidney lesions found in 67% of cases testing positive for Ochratoxin;
- ✓ In swine experiencing dysgalactia, 75% tested positive for DON and 56% for zearalenone..

* From database of >6,000 Myco-Marker™ blood tests with background farm information.

To learn more about this unique service:

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