



# FumoniTest 200™

MYCOTOXIN TESTING SYSTEM

- **Quick** – Less than 15 minutes to test (excluding sample preparation and extraction)
- **Sensitive** – Detects levels as low as 0.5 ppm for Fluorometer
- **Wide Range** – Can measure levels as high as 5 ppm
- **Convenient** – Use same extract for testing for other mycotoxins

## Precise Numerical Results

Fumonisin is a mycotoxin produced by the fungus *Fusarium moniliforme*. A frequent, almost universal inhabitant of corn is *F. moniliforme*. Fumonisin B<sub>1</sub> and fumonisin B<sub>2</sub> are present in most corn samples tested, often at greater than 1 ppm. The FDA/USDA Working Group on Fumonisin advises less than 5 ppm in horse feed, less than 10 ppm for swine feed and less than 50 ppm for cattle feed. Fumonisin is thought to cause equine leukoencephalomalacia in horses, swine pulmonary edema, and human esophageal cancer. Using monoclonal affinity chromatography, *FumoniTest*™ from VICAM is the only fumonisin test that produces precise numerical results.

*FumoniTest* is safe and simple. It can be performed in less than 15 minutes and requires no special skills. And, you have the best of all worlds: sensitivity, simplicity, and speed—quick tests for parts per million levels. *FumoniTest* is also ideal as the cleanup step for any HPLC analysis for precise results in parts per billion.

*FumoniTest* has a long shelf life. In fact, no other test comes close for speed, quantification, and economy.

**Here's how simple *FumoniTest* is to use:**

### **Extract Sample**

- Grind and weigh sample
- Blend sample with salt and methanol/water mixture
- Filter

### **Dilute and Filter**

- Dilute a portion of filtered extract
- Filter

### **Absorb and Elute**

- Pass a portion of filtrate over *FumoniTest* affinity column
- Wash column with buffers
- Elute fumonisins from the column with methanol and collect in a cuvette

### **Measure**

- Add developers and place cuvette into a calibrated fluorometer and read results in ppm

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## FumoniTest:

- Digital readout in ppm
- 15 minutes total test time
- Tests for total of fumonisins B<sub>1</sub>, B<sub>2</sub> and B<sub>3</sub>
- Has shelf life of one year
- Can be used with a variety of samples

## Ordering Information

Cat. No.	Description	Cat. No.	Description
G8038	FumoniTest 200™ Series-4 Fluorometer Basic Equipment Package 110 V for U.S.A. Includes Series-4 Fluorometer, Series 4 printer paper, Mycotoxin Instructional Video, waste collection beaker, filter funnels (65mm), glass syringe (10mL), disposable cuvettes, FumoniTest calibration standards, Kim-Wipes tissues, microfibre filters (1.5µm), VICAM fluted filter paper (24cm), double position pump stand, cuvette rack, 2 wash bottles (500mL), bottle dispenser for methanol (500mL), 2 glass blender jars (500mL), graduated cylinder (250mL), commercial blender with stainless steel container, digital scale and adapter, graduated cylinder (50mL), disposable plastic beakers, micro-pipet tips (50µL), micro-pipettor (20µL), micro-pipettor (1mL), micro-pipet tips (1mL) and FumoniTest instruction manual.	G1029	FumoniTest 200™ Columns, 25/box
		G1030	FumoniTest 200™ Columns, 50/box
		33060	FumoniTest Calibration Standards
		34000	Cuvettes, 250/pack
		35016	Methanol, HPLC Grade, 4 x 4L bottles
		G5005	FumoniTest Developer A-Fluorometer, 15mL (for 15 tests)
		G5004	FumoniTest Developer B-Fluorometer & HPLC. 500mL (for ± 200 tests)
		G1113	10x Concentrate PBS 150mL
		G5014	5x Concentrate 0.1% Tween/2.5% PEG/PBS 300mL
G8039	FumoniTest 200™ Upgrade Pack Includes 1.0mL Micro-pipettor, 20µL Micro-pipettor, 1mL Micro-pipette Tips, 50µL Micro-pipettor tips, FumoniTest Calibration Standards, 10mL Glass Syringe, wash bottle and FumoniTest Instruction manual.		



Printed in USA.

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The analytical methods presented in this data sheet have been researched and developed by VICAM to be used exclusively with FumoniTest™ products. These analytical methods have been validated in the VICAM laboratories to perform to the specifications indicated in the FumoniTest procedures.

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