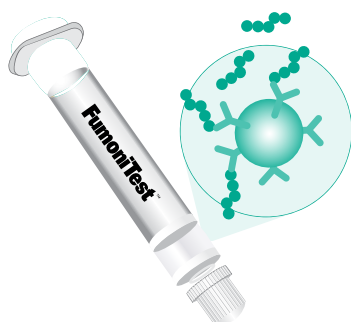




Precise Numerical Results

Fumonisin is a mycotoxin produced by the fungus *Fusarium moniliforme*. Frequent, almost universal inhabitants of corn, fumonisin B₁ and fumonisin B₂ are present in most corn samples tested, often at greater than 1 ppm. Fumonisin is thought to cause equine leukoencephalomalacia in horses, swine pulmonary edema, and human esophageal cancer. The FDA/USDA Working Group on Fumonisin advises levels of less than 4 ppm for products for human consumption, less than 5 ppm in horse feed, less than 20 ppm for swine feed and less than 30 ppm for cattle feed. Using monoclonal antibody-based affinity chromatography, FumoniTest™ from VICAM is the trusted 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. FumoniTest is also ideal as the cleanup step for any HPLC analysis for precise results in parts per million. With FumoniTest you have the best of all worlds: sensitivity, simplicity, and speed — quick tests for parts per million levels. FumoniTest has a long shelf life. In fact, no other test comes close for speed, quantification, and economy.



BENEFITS

Convenient – For use with fluorometer or HPLC

Comprehensive – Tests for fumonisins B₁, B₂, and B₃

Durable – Has a long shelf life

Versatile – For use with a variety of samples

Quick – Less than 15 minutes to isolate toxin*

Wide Range – Detects levels as low as 0.016 ppm and as high as 5 ppm

HERE'S HOW SIMPLE VICAM TESTS ARE TO USE:

EXTRACT SAMPLE

- Grind and weigh sample
- Add salt and methanol/water mixture
- Filter

DILUTE AND FILTER

- Dilute extract
- Filter

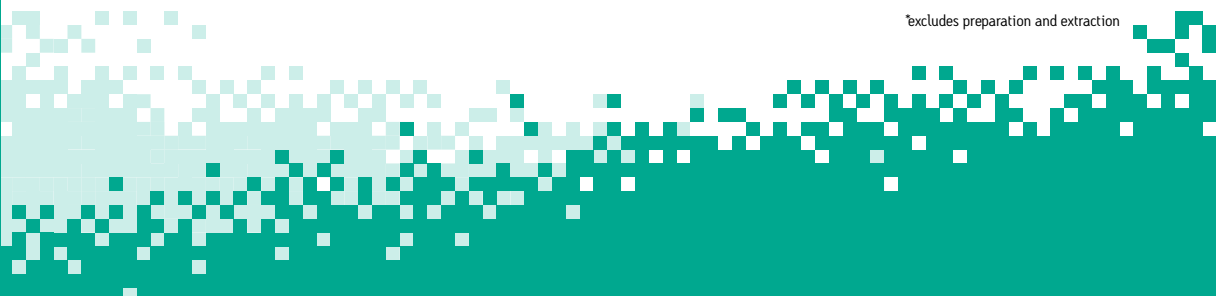
ABSORB AND ELUTE

- Pass filtrate over FumoniTest affinity column
- Wash column
- Elute fumonisins and collect in a cuvette

MEASURE

- Add developers and place cuvette into a calibrated fluorometer, or inject eluate into HPLC
- Determine fumonisin concentration

*excludes preparation and extraction



ORDERING INFORMATION

Cat. No.	Description	Cat. No.	Description
G8034	FumoniTest Upgrade Pack†	20501	500 mL Bottle Dispenser for Methanol, (0-3 mL range)
G1008	FumoniTest Columns (25 per box)	20652	Disposable Plastic Pipets (50 per pack)
176002726	FumoniTest HPLC Kit (50 columns + 1 Standard)	20656	Micro-pipette Tips for 1 mL Micro-pipettor (100)
G1069	FumoniTest HPLC Kit (100 columns + 1 Standard)	20658	Micro-pipette Tips for 20 µL Micro-pipettor (96)
G1112	10x Concentrate of 0.1% Tween PBS (150 mL)	20700	Wash Bottle, 500 mL
G5014	5x Concentrate of 0.1% Tween 12.5% PEG/PBS, 300 mL	21010	Cuvette Rack
G1113	10x Concentrate of PBS (150 mL)	21020	Single Position Pump Stand**
G1124	Noniodized Sodium Chloride (Salt, NaCl)	23040	Vortex Mixer
G2005	Microfiber Filters, 1.0 µm, 9 cm (100)	31240	VICAM Fluted Filter Paper, 24 cm (100)
G31955	Microfiber Filters, 1.5 µm, 11 cm (100)	31967	Kim Wipes
G4031	Micro-pipettor, 20 µL	33060	FumoniTest Calibration Standards
G4071	Micro-pipettor, 10 µL	34000	Disposable Cuvettes (250 per pack)
G4033	Micro-pipettor, 1 mL	35016	Methanol, HPLC Grade (4 x4 L)
G5003	FumoniTest Developer A HPLC (5 mL)	36010	Disposable Plastic Beakers (25 per pack)
G5004	FumoniTest Developer B HPLC/ Fluorometer (500 µL)	36020	Filter Funnel, 65 mm (10 per pack)
G5005	FumoniTest Developer A Fluorometer (15 mL)	36022	Filter Funnel, 105 mm (4 per pack)
G5013	FumoniTest Developer A Fluorometer (7.5 mL)		
FLSEREX	Series 4-EX® Fluorometer		
20050	Graduated Cylinder, 50 mL		
20100	Digital Scale with AC Adapter		
20200	Commercial Blender with Stainless Steel Container		
20250	Graduated Cylinder, 250 mL		

Also required, must be sourced locally:

- Distilled, Reverse Osmosis, or Deionized Water
- Sodium Bicarbonate (for testing beer only)
- Speed Vacuum or Equivalent Evaporator

†FumoniTest upgrade pack includes large pipette tips (100), small pipette tips (96), wash bottle, microfiber filters 9 cm (100), 20 µL micro-pipettor, 1.0 mL micro-pipettor and FumoniTest Instruction Manual

**Multiple position pump stands available

Subject to change without notice.

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