

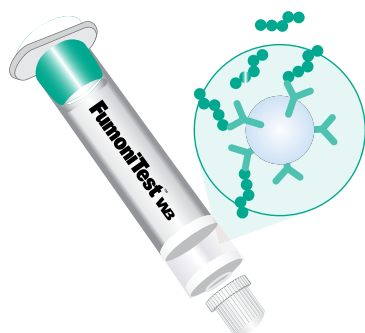


## Precise Numerical Results

Fumonisin is a mycotoxin produced by the fungus *Fusarium moniliforme*. *F. moniliforme* is a frequent, almost universal, inhabitant of corn. Fumonisin is thought to cause equine leukoencephalomalacia in horses, pulmonary edema in swine, 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.

Using monoclonal antibody-based affinity chromatography, FumoniTest™ WB is a new HPLC test for the detection of fumonisins using wide bore immunoaffinity columns. With a total volume of 3 mL, compared to the total of 1 mL in VICAM's standard columns, FumoniTest WB allows for a faster flow rate preferred by many laboratories and is the ideal cleanup step for any HPLC.

FumoniTest WB is one of many wide bore columns available from VICAM. Through the development of this fast-flow WB product line, VICAM demonstrates a commitment to improving mycotoxin testing and responding to our customers' needs.



### BENEFITS

**Exclusive** – Specifically for HPLC use

**Comprehensive** – Total readings for fumonisins B<sub>1</sub>, B<sub>2</sub>, and B<sub>3</sub>

**Durable** – Long shelf life

**Versatile** – For use with a variety of samples

**Quick** – 15 minutes to isolate toxin\*

**Wide Range** – Detects levels as high as 10 ppm

**Fast Flow** – Passes more volume over the column

### HERE'S HOW SIMPLE VICAM TESTS ARE TO USE:

#### EXTRACT SAMPLE

- Grind and weigh sample
- Blend with extraction solvent
- Centrifuge
- Filter

#### DILUTE AND FILTER

- Dilute extract
- Filter

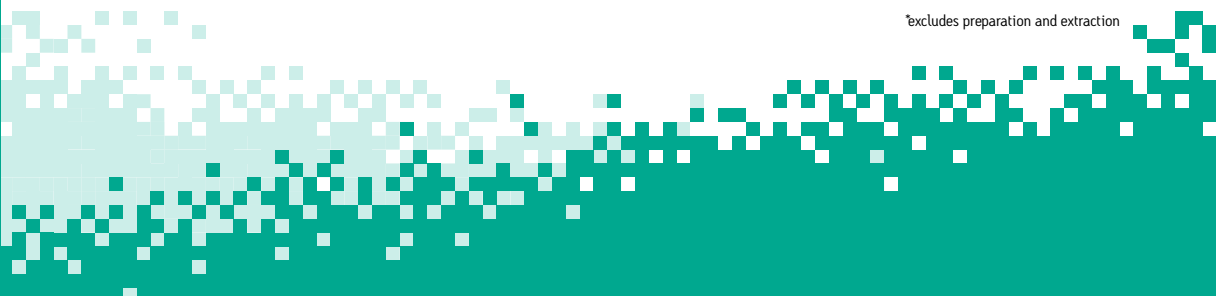
#### ABSORB AND ELUTE

- Pass filtrate over FumoniTest WB affinity column
- Wash column
- Elute fumonisins and collect in a cuvette
- Dry eluate and reconstitute

#### MEASURE

- Add developers; inject eluate into HPLC
- Determine fumonisin concentration

\*excludes preparation and extraction



## ORDERING INFORMATION

Cat. No.	Description	Cat. No.	Description
G1060	FumoniTest WB Columns (25 per Box)	21020	Single Position Pump Stand†
176002727	FumoniTest WB HPLC Kit (50 Columns + 1 Standard)	23040	Vortex Mixer
31955	Microfiber Filters, 1.5 µm, 11 cm (100)	20501	500 mL Bottle Dispenser for Methanol (0–3 mL range)
G5003	FumoniTest WB Developer A HPLC (5 mL)	G1118	WB Column Coupling (6)
G5004	FumoniTest WB Developer B HPLC (500 µL)		
G1113	10X Concentrate of PBS (150 mL)		
35016	Methanol, HPLC Grade (4 X 4 L)		
20050	Graduated Cylinder, 50 mL		
20250	Graduated Cylinder, 250 mL		

**Also required, must be sourced locally:**

Distilled, Reverse Osmosis, or Deionized Water Centrifuge

†Multiple position pump stands available

Subject to change without notice.

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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 methods have been validated in the VICAM laboratories to perform to the specifications indicated in the FumoniTest procedures. The user assumes all risk in using FumoniTest procedures and products. VICAM makes no warranty of any kind, expressed or implied, other than that FumoniTest products conform to VICAM's printed specification and quality control standards. VICAM will, at its option, repair or replace any product, or part thereof, which proves to be defective in workmanship or material. VICAM's undertaking to repair or service such products is exclusive and is in lieu of all other warranties whether written, oral, expressed, or implied, including any implied warranty of merchantability or fitness for a particular purpose. VICAM shall have no liability for anticipated or lost profits or any loss, inconvenience or damage whether direct, indirect, incidental, consequential or otherwise, to person or property, or for strict liability or negligence arising from or in connection with the use of these assay procedures or FumoniTest products.

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