



## Precise Numerical Results

Aflatoxin, a toxin from a naturally occurring mold, is a Group 1 carcinogen proven to cause cancer in humans. Throughout the world, there are significant regulations regarding the presence of aflatoxins in food. Imports which fail to meet EU regulatory levels may be seized, returned or destroyed. The European Union possesses regulations for aflatoxins in groundnuts, nuts, dried fruit, spices, and cereals with limits as low as 4 ppb total aflatoxins and 2 ppb for aflatoxin B<sub>1</sub>. Additionally, EU member states have established their own maximum levels for aflatoxins which are separate from the EU regulations.

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

Fast-flow WB products meet the need for increased throughput and improved turnaround time, resulting in better productivity in the testing environment. Through the development of this fast-flow WB product line, VICAM demonstrates a commitment to improving mycotoxin testing and responding to our customers' needs.

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

#### EXTRACT SAMPLE

- Grind and weigh sample
- Add salt and methanol/ water mixture
- Blend and filter

#### DILUTE AND FILTER

- Dilute extract
- Blend and filter

#### ABSORB AND ELUTE

- Pass filtrate over AflaTest WB affinity column
- Wash column
- Elute aflatoxins with methanol and collect in cuvette

#### MEASURE

- Dilute and inject eluate into HPLC
- Determine aflatoxin concentration



#### BENEFITS

**Exclusive** – Specifically for HPLC use

**Comprehensive** – Total readings for all aflatoxins

**Durable** – Long shelf life; requires no refrigeration

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

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

**Wide Range** – Detects levels as high as 100 ppb and as low as 0.03 ppb for aflatoxin B<sub>1</sub>

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

\*Excluding preparation and extraction.

## ORDERING INFORMATION:

Cat. No.	Description	Cat. No.	Description
G1024	AflaTest WB Columns (25 per Box)	G1118	WB Column Coupling (6)
G1061	AflaTest WB HPLC Kit (100 Columns and 1 set Standards)	20050	Graduated Cylinder, 50 mL
G1062	AflaTest WB HPLC Kit (250 Columns and 1 set Standards)	20100	Digital Scale with AC Adapter
G1063	AflaTest WB HPLC Kit (500 Columns and 2 sets Standards)	20200	Commercial Blender with Stainless Steel Container
31240	VICAM Fluted Filter Paper, 24 cm (100)	20250	Graduated Cylinder, 250 mL
31955	Microfiber Filters, 1.5 µm, 11 cm (100)	20700	Wash Bottle, 500 mL
34000	Disposable Cuvettes (250 per pack)	21010	Cuvette Rack
35016	Methanol, HPLC Grade (4 X 4 L)	21020	Single Position Pump Stand*
36010	Disposable Plastic Beakers (25 per Pack)	36020	Filter Funnel, 65 mm (10 per Pack)
G1124	Noniodized Sodium Chloride (Salt, NaCl)	G4033	Micro-pipettor, 1 mL
		20656	Micro-pipette Tips for 1 mL Micro-pipettor (100)

\*Multiple position pump stands available

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