

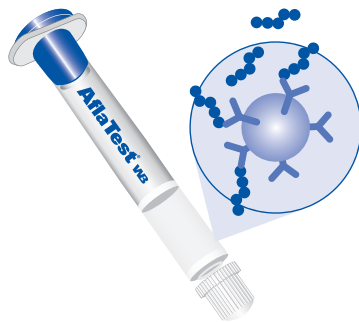


Precise Numerical Results

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 B₁. 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, AflaTestWB 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 AFLATEST WB IS 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 AflaTestWB 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 B₁

Fast Flow – Passes more volume over the column

*Excluding preparation and extraction.

ORDERING INFORMATION

Cat. No.	Description	Cat. No.	Description
G1024	AflaTestWB Columns (25 per Box)	G1124	Noniodized Sodium Chloride (Salt, NaCl)
G1025	AflaTestWB Columns (50 per Box)	G1118	WB Column Coupling (6)
G1061	AflaTestWB HPLC Kit—100 Columns and 1 Set Standards	20050	Graduated Cylinder, 50 mL
G1062	AflaTestWB HPLC Kit—250 Columns and 1 Set Standards	20100	Digital Scale with AC Adapter
G1063	AflaTestWB 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)
		G4033	Micro-pipettor, 1 mL
		20656	Micro-pipette Tips for 1 mL Micro-pipettor (100)

* Multiple position pump stands available

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Orders:

1848 N Deffer Drive
Nixa, MO 65714 USA

Tel: +1.877.228.4244
+1.417.725.6588

Fax: +1.417.725.6102

orders@vicam.com

Headquarters:

34 Maple Street
Milford, MA 01757 USA

Tel: +1.800.338.4381
+1.508.482.4935

Fax: +1.508.482.4972

www.vicam.com