



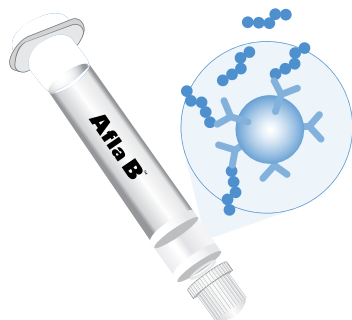
Precise Numerical Results

Aflatoxin, a toxin from a naturally occurring mold, is a Group 1 carcinogen, proven to cause cancer in humans. Aflatoxin is made up of the sum of 4 total aflatoxins: B₁, B₂, G₁, and G₂; however, in some cases only B₁ is regulated. For example, within the European Community, B₁ is regulated at the 2 ppb level.

Afla B™ from VICAM is the trusted aflatoxin B test that produces precise numerical results. Using monoclonal antibody-based affinity chromatography, Afla B can isolate aflatoxins B₁ and B₂ from feeds, food, grains, and nuts via fluorometric or HPLC detection.

Whereas aflatoxin B₁ can be singled out and measured uniquely by HPLC, a fluorometric result is the sum of B₁ and B₂ in total. Then it is known that B₁ accounts for 94% of total B₁ and B₂ as measured in corn and for 82.5% as measured in peanuts.

Afla B is safe and simple. It can be performed in less than 10 minutes and requires no special skills. With Afla B, you have the best of all worlds: sensitivity, simplicity, and speed — quick tests for parts per billion or parts per trillion levels. In fact, no other test comes close for speed, quantification, and economy.



BENEFITS

Convenient – For use with fluorometer or HPLC

Durable – Long shelf life; requires no refrigeration

Versatile – For use with a variety of samples

Quick – Less than 10 minutes to isolate toxin*

Wide Range – Detects levels as low as 1 ppb (fluorometer) and 50 ppt (HPLC) and as high as 300 ppb

Safe – Requires less toxic materials than other methods

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
- Filter

ABSORB AND ELUTE

- Pass filtrate over Afla B affinity column
- Wash column with water
- Elute aflatoxins with methanol and collect in a cuvette

MEASURE

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

*excludes preparation and extraction



ORDERING INFORMATION

Cat. No.	Description
G1003	Afla B Columns (25 per box)
G1124	Noniodized Sodium Chloride (salt, NaCl)
FLSEREX	Series-4EX® Fluorometer
G8001	AflaTest® Basic Equipment Package 110 V†
G8002	AflaTest Basic Equipment Package 220 V†
20050	Graduated Cylinder, 50 mL
20100	Digital Scale with AC Adapter
20200	Commercial Blender with Stainless Steel Container
20250	Graduated Cylinder, 250 mL
20501	500 mL Bottle Dispenser for Methanol (0–3 mL range)
20600	50 mL Bottle Dispenser for Developer(0–3 mL range)
20652	Disposable Plastic Pipets, 1 mL (50)
20700	Wash Bottle, 500 mL
21010	Cuvette Rack
21020	Single Position Pump Stand**
23040	Vortex Mixer
31240	VICAM Fluted Filter Paper, 24 cm (100)
31955	Microfiber Filters, 1.5 µm, 11 cm (100)

Cat. No.	Description
31967	Kim Wipes
32010	AflaTest Developer (50 mL)
33020	Mycotoxin Calibration Standards
34000	Disposable Cuvettes (250)
35016	Methanol, HPLC Grade (4 x 4L)
36010	Disposable Plastic Beakers (25)
36020	Filter Funnel, 65 mm (10)
36222	Filter Funnel, 105 mm (4)

Also required, must be sourced locally:

Distilled, Reverse Osmosis, or Deionized Water

*Included in AflaTest Basic Equipment Package: Series-4EX Fluorometer, Digital Scale, Graduated Cylinder (50mL), Graduated Cylinder (250mL), Blender and Blender Jars, 500mL Bottle Dispenser for Methanol, 50mL Bottle Dispenser for Developer, Disposable Pipets (1 mL), Wash Bottle, Fluted Filter Paper (100), Microfiber Filter paper (100), Kim Wipes, AflaTest Developer, Mycotoxin Calibration Standards, Disposable Cuvettes (250), Cuvette holder, Plastic beakers (25), Filter Funnel 65mm (10), Printer Paper, Single Position Pump Stand with Air Pump and Instruction Manual

**Multiple position pump stands available

Subject to change without notice.

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