



## Precise, Quantitative and Fast Results

VICAM's Afla-V strip tests answer one of today's toughest food safety challenges with a new user-friendly lateral-flow Afla test that delivers accurate quantitative results in a matter of minutes. Aflatoxin, a toxin from a naturally occurring mold, is a Group 1 carcinogen proven to cause cancer in humans. Aflatoxin can also cause economic losses in livestock due to disease or reduced efficiency of production.

The United States federal government action level for aflatoxin in food for human consumption or in dairy cow feed is 20 ppb. For milk for human consumption the level is 0.5 ppb. Levels up to 300 ppb are allowed in certain circumstances for non-dairy animal feed.

The European Community has regulations for aflatoxin levels that range from 4 ppb in processed cereal-based foods for infants and young children to 15 ppb for peanuts or other tree nuts. In Asia, regulations for aflatoxin range from non detectable to 20 ppb for food.

Afla-V test strips utilize the proven sensitivity and selectivity of VICAM's monoclonal antibodies to accurately detect and measure total aflatoxins B<sub>1</sub>, B<sub>2</sub>, G<sub>1</sub>, and G<sub>2</sub> at levels as low as 2 ppb and as high as 100 ppb. The single-dilution sample preparation procedure saves time and materials, and the test takes 5 minutes\* to develop. Digital readings are clearly displayed on the screen of the Vertu™ Lateral Flow Reader, eliminating any guess work about the results.

### BENEFITS

**Fast screening** – Results in 5 minutes\*

**Simple** – No special training required

**Sensitive** – Limits of detection as low as 2 ppb

**Convenient** – Easily performed onsite or in the lab. No Incubation

**Durable** – Long shelf life

**Accurate** – Real-time data which can be printed or downloaded to a computer

**Wide Range** - 0 to 100 ppb

### Cultivating Success Through Science™:

- Weigh Sample
- Extract with 70% methanol
- Transfer sample extract to the Dilution Tube
- Mix with Diluent
- Transfer to the Afla-V strip test
- Incubate the strip test for 5 minutes
- Insert the Afla-V strip test into the Vertu reader
- Read results

\*after extraction

† this procedure has been validated for peanuts.

## ORDERING INFORMATION

Cat. No.	Description
176002071	Afla-V Kit (25 Tests)*

### Vertu Basic Equipment Package\*\*

Cat. No.	Description
176002068	Vertu Mycotoxin BEQ, 110V
176002073	Vertu Mycotoxin BEQ, 220V
176002078	Vertu Mycotoxin w/Printer, 110V
176002079	Vertu Mycotoxin BEQ w/Printer, 220V

### Vertu Consumables and Supplies

Cat. No.	Description
600000937	Graduated Cylinder, 25 mL
36020	Filter Funnel, 65 mm (10/pk)
600001106	Strip Test Filter (25/pk)
600000827	Extraction Tubes, 40 mL (25/pk)
600001108	Micro-Pipettor, 100 µL
600001109	Micro-Pipette Tips, 100 µL (25/pk)
600001107	Strip Test Vial Rack, (1 ea)
600000813	Strip Test Vial (25/pk)

\*Included with Afla-V Kit: Afla-V Strips (25); Afla-V Diluent; Strip Test Filters (25); Strip Test Vials (25); Micropipette Tips, 100µL (50); Extraction Tubes, 40mL (50); Afla-V Barcode Set; Afla-V Instruction Guide

\*\*Included with Vertu Mycotoxin BEQ: Vertu Reader w/Barcode Scanner, Filter funnel, 65mm (10); Graduated Cylinder, 25mL; Micropipettor, 100µL; Strip Test Vial Rack (1); Digital Timer; Micropipette Tips, 100µL (25); Strip Test Filter (25); Extraction Tubes, 40mL (25); Vortex Mixer, 100V or 220V; Vertu Instruction Manual; Optional: Printer offered with Order #176002078 and Order #76002079.

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