



## 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 Strip Tests 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> & G<sub>2</sub>) at levels as low as 2 ppb and as high as 100 ppb. Sample preparation is easy and Afla-V's simplified procedure saves time and materials. After just 5 minutes development time, the Afla-V Strip Test is ready for quantitation using the Vertu® Lateral Flow Reader. Results are displayed on the digital screen and may also be printed or transferred to Excel for storage and use as a vital quality assurance tool.

### 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

**Durable** – Long shelf life

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

**Wide Range** – 0 to 100 ppb

**Certified** – USDA-GIPSA certified method available

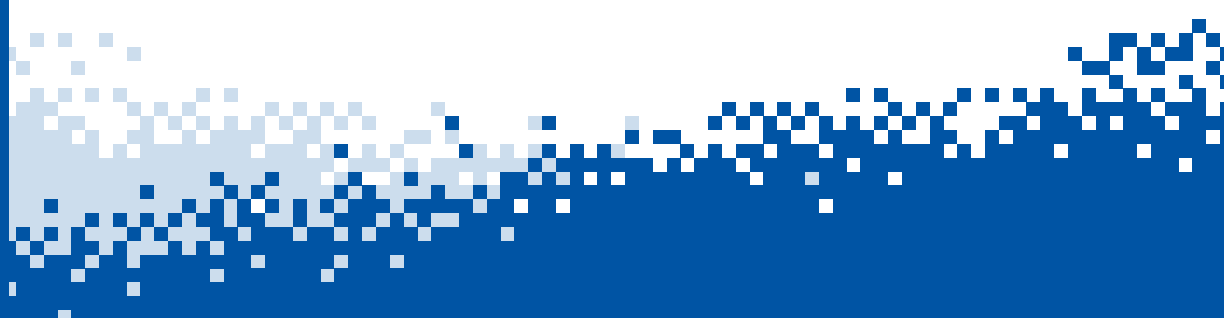
### HERE'S HOW SIMPLE VICAM TESTS ARE TO USE:

- 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

\*\*limits of detection will vary based on procedure. Refer to manual

Note: peanuts, almonds, pistachios, walnuts, hazelnuts, corn, wheat and rice samples can be used with this method.



## ORDERING INFORMATION

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

### Vertu Basic Equipment Package\*\*

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

### 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)
600001330	Custom V Incubator with Block, 110 & 220 V (for USDA-GIPSA method)

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

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

Subject to change without notice.

©2015 Waters Corporation. Waters, The Science of What's Possible, VICAM, Vertu and Afla-V are registered trademarks of Waters Corporation.

The analytical methods presented in this data sheet have been researched and developed by VICAM to be used exclusively with Afla-V products. These methods have been validated in the VICAM laboratories to perform to the specifications indicated in the Afla-V procedures. The user assumes all risk in using Afla-V procedures and products. VICAM makes no warranty of any kind, expressed or implied, other than that Afla-V 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 Afla-V products.

#### 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](mailto: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](http://www.vicam.com)

720003639EN AW-POD