



Fast, Precise and Solvent-Free Results

VICAM's Afla-V AQUA answers one of today's toughest food safety challenges with a simple, water-based aflatoxin test that delivers precise quantitative results in just minutes while eliminating the risks and expense associated with on-site solvent use and disposal. Aflatoxin is the toxic byproduct of several mold species which are natural inhabitants of soil. Classified as a Group I carcinogen by the International Agency for Research on Cancer (IARC), aflatoxin presents serious risks to human and animal health, resulting in economic losses due to animal disease and reduced production efficiency.

Afla-V AQUA Strip Tests utilize the proven sensitivity and selectivity of VICAM's monoclonal antibodies to accurately detect and measure total aflatoxins (B₁, B₂, G₁ & G₂) at levels as low as 2 ppb and as high as 100 ppb. Afla-V AQUA eliminates the need for hazardous solvents using a water-based dilution-free extraction procedure that develops in just 5 minutes. 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

Sustainable – Safe, solvent-free testing

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

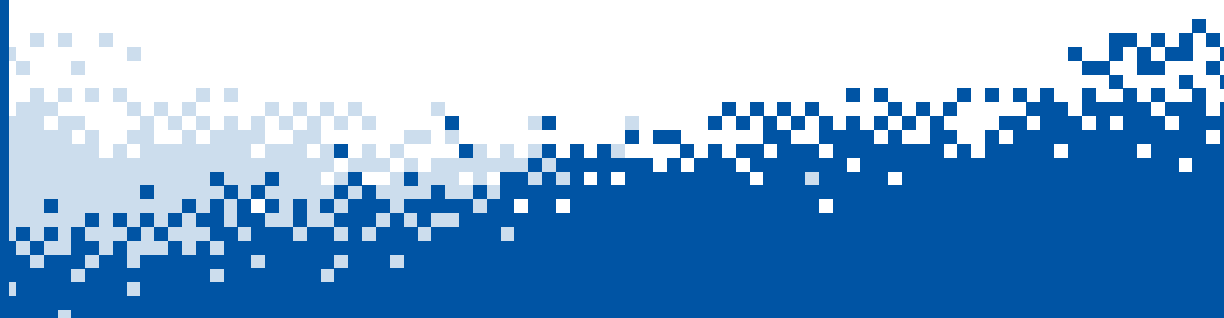
Wide Range - 0 to 100 ppb†

HERE'S HOW SIMPLE VICAM TESTS ARE TO USE:

- Weigh sample
- Add AQUA Solution
- Filter
- Transfer to the Afla-V Test Strip
- Incubate the Test Strip for 5 minutes
- Insert the Afla-V Test Strip into the Vertu Reader
- Read results

*after extraction
 **limits of detection will vary based on procedure. Refer to manual
 † with dilution

This procedure has been validated for corn.



ORDERING INFORMATION

Cat. No.	Description
176003520	Afla-V AQUA Corn 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)
600001522	Fluted Filters, 24 cm (25/pk)
600000827	Extraction Tubes, 40 mL (25/pk)
600001108	Micro-Pipettor, 100 µL
600001109	Micro-Pipette Tips, 100 µL (25/pk)
100000339	AQUA Premix Solution†

*Included with Afla-V AQUA Corn Kit: Afla-V Strip (25); Afla-V Diluent; Strip Test Filters (25); Strip Test Vials (25); Micro-Pipette Tips, 100 µL (50); Extraction Tubes, 40 mL (50); AQUA Premix Solution; Afla-V AQUA Barcode Set; Afla-V AQUA Instruction Guide

**Included with Vertu Mycotoxin BEQ: Vertu Reader w/Barcode Scanner, Filter funnel, 65 mm (10); Graduated Cylinder, 25 mL; Micro-Pipettor, 100 µL; Strip Test Vial Rack (1); Digital Timer; Micro-Pipette 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.

†Alternatively, AQUA Solution A (10000336) and AQUA Solution B (10000337) may be purchased separately and used.

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. AQUA is a trademark 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 and Afla-V AQUA products. These methods have been validated in the VICAM laboratories to perform to the specifications indicated in the Afla-V and Afla-V AQUA procedures. The user assumes all risk in using Afla-V and Afla-V AQUA procedures and products. VICAM makes no warranty of any kind, expressed or implied, other than that Afla-V and Afla-V AQUA 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 and Afla-V AQUA 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

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