



Fast, Sensitive and Solvent-Free Results:

VICAM's Afla-V AQUA^{HS} answers one of today's toughest food safety challenges with a simple, water-based aflatoxin test that delivers precise, highly sensitive, 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^{HS} Strip Tests utilize the proven sensitivity and selectivity of VICAM's monoclonal antibodies to accurately detect and measure total aflatoxins (B₁, B₂, G₁ and G₂) at levels as low as 2 ppb and as high as 100 ppb. Afla-V AQUA^{HS} 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

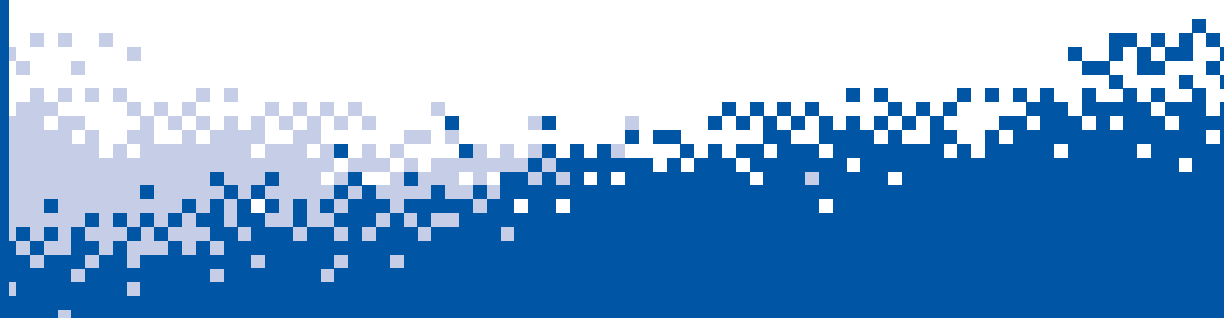
Wide Range – 0 to 100 ppb[†]

HERE'S HOW SIMPLE VICAM TESTS ARE TO USE:

- Weigh sample
- Add AQUA Premix Solution, shake to mix
- 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 peanuts.



ORDERING INFORMATION

Cat. No.	Description
176004114	Afla-V AQUA ^{HS} 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
20050	Graduated Cylinder, 50 mL
600000937	Graduated Cylinder, 25 mL
36020	Filter Funnel, 65 mm (10/pk)
600001106	Strip Test Filter (25/pk)
600001545	Extraction Tubes, 70 mL (25/pk)
600001108	Micro-Pipettor, 100 µL
600001109	Micro-Pipette Tips, 100 µL (25/pk)
100000339	AQUA Premix Solution, 1 L
100000345	AQUA Premix Solution, 4 L
100000347	AQUA Premix Solution, 20 L

*Included with Afla-V AQUA Peanut Kit: Afla-V Strip (25); Strip Test Filters (25); Micro-Pipette Tips, 100 µL (25); Extraction Tubes, 70 mL (50); Afla-V AQUA Barcode; Afla-V AQUA Instruction Guide

**Included with Vertu Mycotoxin BEQ: Vertu Reader w/Barcode Scanner, Filter funnel, 65 mm (10); Graduated Cylinder, 25 mL; Graduated Cylinder, 50 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; Vortex Sample Holder; Strip Test Vials; Vertu Instruction Manual; Optional: Printer offered with Order #176002078 and Order #76002079.

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