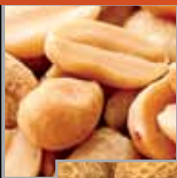


AFLA-V INSTRUCTION GUIDE



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CULTIVATING SUCCESS THROUGH SCIENCE™

For more than 20 years, VICAM has been the global provider of choice for next-generation food safety technology and rapid mycotoxin test solutions.

The goal of securing the world's food supply requires knowledge, cooperation, and collaboration. To advance that objective, VICAM works closely with government regulatory agencies, international standards bodies, major food industry laboratories, and leading research institutions around the world. With a global scientific and distribution presence, VICAM has access to the latest research advances, industry expertise, and regulatory information needed to design solutions that maximize food safety and quality at every stage of the global food supply chain.

As the trusted partner of the agricultural industry, VICAM is proud to consistently deliver the superior products, responsive service, and individualized support for your industry-specific goals.





Afla-V Kit (25 tests) 176002071

AFLA-V KIT CONTENTS

Afla-V Strip Tests 100000247

Afla-V Diluent, 6 mL 100000249

Micro-Pipette Tips, 100 μ L 600001109

Strip Test Vials, 1.5 mL 600000813

Filter Paper 600001106

Extraction Tubes, 40 mL 600000827

Afla-V Barcode Set 715002732

Afla-V Procedure Poster 715002731

Vertu Mycotoxin BEQ, 110V..... 176002078

Vertu Mycotoxin BEQ, 220V..... 176002079

EQUIPMENT PACKAGE CONTENTS

Vertu Reader, 110V & 220V 725000574

Vertu Bar-Code Reader 725000576

Printer, 110V & 220V 725000577

Vortex Mixer 23040

Digital Timer G4036

Micro-Pipettor, 100 μ L 600001108

Filter Funnel, 65 mm, (4 pack) 36020

Strip Test Vial Rack 600001107

Graduated Cylinder, 25 mL 600000537


Vertu Basic Instruction Guide 715002426

PRECISE...QUANTITATIVE...FAST

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VICAM's Afla-V™ strip tests answer one of today's toughest food safety challenges with a new user-friendly lateral flow aflatoxin 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.

Afla-V strip tests combine 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. The user-friendly 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™ Reader, eliminating any guesswork about the results.

**after extraction*

AFLA-V TEST PROCEDURE

SAMPLE EXTRACTION

1. Scan the test kit barcode for the type of sample and lot of strips that you are using.
2. Weigh 5 g of ground sample¹ and place in an extraction tube.
3. Measure 25 mL of 70% MeOH with a graduated cylinder and pour it into the extraction tube.
4. Cover the extraction tube and vortex the mixture for 2 minutes at max speed.
5. Filter the extract into a clean extraction tube.

¹peanuts, almonds, corn, wheat and rice samples can be used with this method.

PROCEDURE

1. Transfer 100 µL of Afla-V Diluent to the strip test vial.
2. Mix with 100 µL of sample extract. Mix well by vortexing.
3. Transfer 100 µL to the Afla-V strip test by dropping (~ 1 drop/second) vertically into the circular opening.
4. Allow strip test to develop for 5 minutes on a flat surface (such as a countertop).
5. Insert the Afla-V strip test into the Vertu reader (circular opening side in first). Be sure that the lot # displayed on the reader matches the lot # of the strips being used.
6. Read results.
7. If the reader displays "> Range", dilute sample extract 1 to 6 with 70% MeOH (100 uL extract + 500 uL 70% MeOH).
8. Repeat steps 1-6.
9. Multiply the displayed result by 6 to obtain the true level of contamination.

Strip tests must be refrigerated. Store at 4° - 8° C (39° - 46° F).

Strip test and sample extract should be at room temperature before use.

Use in accordance with VICAM's testing procedure. To be used for testing food products only. Not to be ingested or applied to the skin.





BENEFITS

Fast screening – Results in 5 minutes*

Simple – No special training required

Precise – 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

** after extraction*



A Waters Business

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Waters

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