







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

#### **PREPARE SAMPLE**

- No sample preparation
- Keep the sample cold (on ice) before testing

#### PREPARE THE TEST STRIP

- Add 200 µL unfiltered sample to strip test vial
- Mix well
- Place vial in incubator
- Insert Afla M₁-V test strip

#### **DEVELOP/ANALYZE**

- Incubate
- Place strip in Vertu Reader

# Precise, Quantitative and Fast Detection of Aflatoxin M<sub>1</sub>

VICAM's Afla M<sub>1</sub>-V quantitative strip tests answer one of today's toughest food safety challenges with a new, user-friendly lateral flow strip test for aflatoxin M<sub>1</sub> in dairy products—providing precise results in just minutes. Aflatoxin M<sub>1</sub> is the metabolic byproduct created when a dairy cow ingests feed that contains aflatoxin B<sub>1</sub>. Aflatoxin M<sub>1</sub> is a Group 2B (probable) carcinogen according to the International Agency for Research on Cancer (IARC), resulting in strict legislation governing maximum allowable limits for human consumption.

The European Union, and Egypt enforce a maximum limit for aflatoxin  $M_1$  at 50 parts per trillion (ppt). The United States Food and Drug Administration (FDA) and CODEX enforce a maximum limit for aflatoxin M1 at 0.5 parts per billion (ppb) or 500 parts per trillion (ppt). Afla  $M_1$ -V test strips utilize the proven sensitivity and selectivity of VICAM's monoclonal antibodies to accurately measure aflatoxin  $M_1$  at levels as low as 25 parts per trillion (ppt) and as high as 750 ppt which meets both regulations. The no filtration sample preparation saves time while minimizing consumables, reagent use and eliminating the need for a centrifuge. The test requires only 10 minutes to develop and digital results are displayed on the Vertu Lateral Flow reader—with optional printing and data transfer to a computer. Afla  $M_1$ -V is revolutionizing the way aflatoxin  $M_1$  is managed at the plant by delivering fast, precise results to dairy producers worldwide.

### **BENEFITS**

Fast Screening - Results in 10 minutes

Simple - No special training required

Sensitive - Limit of detection as low as 25 ppt

**Convenient** - Easily performed onsite or in the laboratory

Durable - Long shelf life

Accurate - Real-time data which can be printed or transferred to a spreadsheet



# ORDERING INFORMATION

#### Vertu Afla M<sub>1</sub>-V Basic Equipment Package

**Cat. No. Description**176004172 Vertu Afla M<sub>1</sub>-V Basic Equipment

Package, 110 V 176004173 Vertu Afla M<sub>1</sub>-V Basic Equipment

Package, 220 V

#### Vertu Afla M<sub>1</sub>-V Basic Equipment Contents

725000574 Vertu Reader with Barcode Scanner, 110 V/220 V
725000577 Vertu Printer, 110 V/220 V
600001107 Strip Test Vial Rack
G4036 Digital Timer
176003201 Complete Mini Incubator, 110 V

176003202 Complete Mini Incubator, 220 V 600001332 Afla M<sub>1</sub>-V Drawer for Vertu Reader 715002543 Vertu Basic Instruction Manual

600001219 Vortex Genie, 110 V 600001220 Vortex Genie, 220V

## **Vertu Consumables and Supplies**

Cat. No. Description

176004148 Afla M<sub>1</sub>-V Kit (25 Tests)

#### Afla M<sub>1</sub>-V Kit Contents

715005523

100000372 Afla M<sub>1</sub>-V Pack (25/pk)

600001679 Strip Test Pipettes, 200 µl (25/pk)

715004500 Afla  $M_1$ -V Bar Code Set

600001678 Strip Test Vials with Conjugate Pad

Afla M<sub>1</sub>-V Instruction Guide

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Headquarters:

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

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