



Precise, Quantitative and Fast Detection of Aflatoxin M₁

VICAM's Afla M₁-V quantitative strip tests answer one of today's toughest food safety challenges with a new, user-friendly lateral flow strip test for aflatoxin M₁ in dairy products—providing precise results in just minutes. Aflatoxin M₁ is the metabolic byproduct created when a dairy cow ingests feed that contains aflatoxin B₁. Aflatoxin M₁ 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 M₁ 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 M₁-V test strips utilize the proven sensitivity and selectivity of VICAM's monoclonal antibodies to accurately measure aflatoxin M₁ 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 M₁-V is revolutionizing the way aflatoxin M₁ 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

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 TOUCH Reader



ORDERING INFORMATION

Vertu Afla M₁-V Basic Equipment Package

Cat. No.	Description
176005322	Afla M ₁ -V VT Basic Equipment Package, 110V
176005325	Afla M ₁ -V VT Basic Equipment Package, 220V

Kit contains:

725000678	Vertu TOUCH Reader, 110/220V
725000685	Vertu Sensor
600002017	Mini Vortex Mixer, 110/220V
600002014	Dymo 550 Printer, 110/220V
600002016	Dymo 550 Printer Paper Roll (1)
600002041	Afla M ₁ -V VT Drawer Adapter
600001107	Strip Test Vial Rack
G4036	Digital Timer
176003201	Complete Mini Incubator, 110 V
176003202	Complete Mini Incubator, 220 V

Vertu Consumables and Supplies

Cat. No.	Description
176004148	Afla M ₁ -V and VT Kit (25 Tests)

Afla M₁-V Kit Contents

100000372	Afla M ₁ -V Pack (25/pk)
600001679	Strip Test Pipettes, 200 µl (25/pk)
715006805	Afla M ₁ -V and VT Instruction Poster
600001678	Strip Test Vials with Conjugate Pad



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