



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 United States Food and Drug Administration (FDA) enforces a maximum limit for aflatoxin M₁ at 0.5 parts per billion (ppb), while the European Community sets their regulatory limit for aflatoxin M₁ at 0.05 ppb, with a lower limit of 0.025 ppb in place for those dairy items intended for infants and children.

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 ppt and as high as 750 ppt. The single filtration sample preparation saves time while minimizing consumables, reagent use and eliminating the need for a centrifuge. The test requires only 12 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 12 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:

- Measure 3 mL liquid raw or pasteurized milk
- Filter into clean vessel

PREPARE TEST STRIP

- Add 250 µl filtered sample to reaction vial
- Mix well
- Insert Afla M₁-V strip

DEVELOP/ANALYZE

- Incubate
- Place strip in Vertu Reader

*after extraction



ORDERING INFORMATION

Vertu Basic Equipment Package

Cat No.	Description
176003404	Afla M ₁ -V Kit (25 Tests)
176003430	Vertu Afla M ₁ -V BEQ With Printer, 220V
176003406	Vertu Afla M ₁ -V BEQ w/o Printer, 220V
176003405	Afla M ₁ -V BEQ w/o Printer, 110V
176003429	Afla M ₁ -V BEQ With Printer, 110V
600001219	Vortex Genie II, 110V
600001220	Vortex Genie II, 220V
725000574	Vertu Reader w/Barcode Scanner, 110V/220V
725000577	Vertu Printer, 110V/220V
600001107	Strip Test Vial Rack
G4036	Digital Timer
600000813	Strip Test Vials (25/pk)
176003201	Complete Mini Incubator 110V
176003202	Complete Mini Incubator 220V
600001331	Syringe Disk Filters, 5 µm
600001333	5 mL Syringe

Vertu Consumables and Supplies

Cat. No.	Description
100000310	Afla M ₁ -V Pack
600000812	Strip Test Pipettes (25/pk)
600001333	5 mL Syringes (25/pk)
600001331	Syringe Disk Filters, 5 µm (25/pk)
100000308	Diluent Vials, 25/Pk
715004500	Afla M ₁ -V Bar Code Set
715004503	Afla M ₁ -V Instruction Guide
600000813	Strip Test Vials

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