



Precise Numerical Results

Aflatoxin M₁, a toxin found in milk, is produced by dairy cows upon ingestion of contaminated grains. A known, highly potent carcinogen, aflatoxin M₁ presents significant risk to dairy products, a major source of nutrition for infants, children and adults. Strict global regulatory limits govern how much aflatoxin M₁ may be present in dairy products. VICAM's Afla M₁ FL⁺® is the ideal solution for determining levels of M₁ in milk at parts per trillion (ppt) levels using a fluorometer.

Afla M₁ FL⁺ from VICAM is a rapid aflatoxin test which produces precise numerical results. Using monoclonal antibody-based affinity chromatography, Afla M₁ FL⁺ can isolate aflatoxin M₁ from fluid milk.

Afla M₁ FL⁺ is safe and simple. It can be performed rapidly and requires no special skills. You have the best of all worlds: speed, sensitivity, and simplicity — quick tests for parts per trillion without the need of HPLC. Furthermore, Afla M₁ FL⁺ has a long shelf life. In fact, no other test comes close for speed, quantification, and economy.



BENEFITS

Exclusive – Specifically for fluorometer use

Durable – Long shelf life; requires no refrigeration

Quick – 25 minutes to isolate toxin

Wide Range – Detects levels as low as 12.5 ppt and as high as 200 ppt without HPLC analysis

Safe – Requires less toxic materials than conventional test methods

HERE'S HOW SIMPLE VICAM TESTS ARE TO USE:

PREPARE SAMPLE

- Centrifuge
- Remove skim milk portion

BIND AND ELUTE

- Pass sample over Afla M₁ FL⁺ mobile bead column
- Remove frit and wash column
- Elute aflatoxin M₁ from column and collect in a cuvette

MEASURE

- Add developer and place cuvette into a calibrated fluorometer
- Read results in ppt



ORDERING INFORMATION

| Cat. No. | Description | Cat. No. | Description |
|----------|---|-----------|---|
| G1047 | Afla M ₁ FL+ Columns (25/box) | 32010 | AflaTest [®] Developer (50 mL) |
| G1106 | Afla M ₁ FL+ Single Position Pump Stand (10 mL and 60 mL syringes) | 33090 | AflaTest M ₁ FL+ Calibration Standards |
| G1107 | Afla M ₁ FL+ 4-Position Pump Stand (10 mL and 60 mL syringes) | 31967 | Kim Wipes |
| 20050 | Graduated Cylinder, 50 mL | G4033 | Micro-pipettor, 1 mL |
| 20700 | Wash Bottle, 500 mL | FLSEREX | Series-4EX [®] Fluorometer |
| 21010 | Cuvette Rack | G1129 | Frit Picker |
| 23040 | Vortex Mixer | 20600 | 50 mL Bottle Dispenser for Developer |
| 34000 | Cuvettes (250 per pack) | 20656 | Micro-pipette Tips for 1 mL Micro-pipettor (100) |
| 36010 | Disposable Plastic Beakers (25 per pack) | G1118 | WB Column Coupling (6) |
| | | 100000219 | Methanol, HPLC Grade (4L) |

Also Required; Must be Sourced Locally:

Centrifuge capable of obtaining 2000 x g RCF

Subject to change without notice.

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