



## Precise Numerical Results

Aflatoxin M<sub>1</sub>, a toxin found in milk, is derived from ingested aflatoxin. A known carcinogen, the detection of M<sub>1</sub> is critical because this aflatoxin is found in milk, a major source of nutrition for infants, children and adults. Throughout the world, there are significant regulations on the presence of M<sub>1</sub> in dairy products. VICAM's Afla M<sub>1</sub>™ HPLC is a fast flow column that delivers recovery rates from 75% to 95% depending on the sample.

Using monoclonal antibody based affinity chromatography, Afla M<sub>1</sub> HPLC is an HPLC only test for the detection of aflatoxin M<sub>1</sub> using immunoaffinity columns. Performed in less than 30 minutes, Afla M<sub>1</sub> HPLC can measure levels of Afla M<sub>1</sub> as low as 10 ppt and as high as 3 ppb.

An ideal cleanup step for any HPLC, Afla M<sub>1</sub> HPLC has a long shelf life and provides precise numerical results in parts per billion or parts per trillion levels. The preferred test of laboratories around the world, no other test comes close for speed, quantification, and specificity.



### BENEFITS

**Exclusive** – Specifically for HPLC use

**Durable** – Long shelf life; requires no refrigeration

**Versatile** – Can be used with a variety of milk samples

**Quick** – Sample ready in less than 30 minutes

**Wide Range** – Detects levels as low as 10 ppt and as high as 3 ppb

**Safe** – Requires less toxic materials than other methods

### CULTIVATING SUCCESS THROUGH SCIENCE™:

#### PREPARE SAMPLE

- Centrifuge

#### ABSORB AND ELUTE

- Pass sample over Afla M<sub>1</sub> HPLC affinity column
- Wash column
- Elute aflatoxin M<sub>1</sub> and collect in cuvette

#### MEASURE

- Inject eluate into HPLC
- Determine aflatoxin





## ORDERING INFORMATION

Cat. No.	Description	Cat. No.	Description
G1007	Afla M <sub>1</sub> <sup>™</sup> HPLC Columns (25 per box)	20700	Wash Bottle, 500 mL
G1106	Afla M <sub>1</sub> HPLC Single Position Pump Stand, 10 mL & 60 mL*	21010	Cuvette Rack
G1108	Cuvette Holder	23040	Vortex Mixer
G1118	WB Column Coupling (6 per pack)	34000	Disposable Cuvettes (250 per pack)
G1130	Acetonitrile, HPLC Grade (4 x 4 L)	35016	Methanol, HPLC Grade (4 x 4 L)
G4033	Micro pipettor, 1 mL	36010	Disposable Plastic Beakers (25 per pack)
20050	Graduated Cylinder, 50 mL		
20100	Digital Scale with AC Adapter		
20250	Graduated Cylinder, 250 mL		

**Also Required; Must be Sourced Locally:**

Centrifuge  
Distilled, Reverse Osmosis, or Deionized Water

\* Multiple position pump stands available

Subject to change without notice.

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