



**MYCO6IN1™** LC/MS/MS Affinity Column

## Precise Numerical Results

With the proliferation of mycotoxin regulations around the world, many laboratories are finding the need to test for multiple toxins in a single commodity. VICAM, the proven leader in mycotoxin testing, has developed the first-of-its-kind multi-analyte column for simultaneous detection of aflatoxins, ochratoxin A, fumonisins, deoxynivalenol, zearalenone, and T-2 and HT-2 toxins. Optimized for use with LC/MS/MS detection—one of the most advanced, accurate, and widely used analytic methods in the world—VICAM's new *Mycotoxin1™ LC/MS/MS* enables laboratories to simultaneously determine multiple mycotoxins with unmatched levels of sensitivity, selectivity, and efficiency.

*Mycotoxin1 LC/MS/MS* is a quantitative method that unites VICAM's proven monoclonal antibody-based immunoaffinity columns and powerful liquid chromatography combined with tandem mass spectrometry technology to provide precise numerical results. Simple and convenient to use, *Mycotoxin1 LC/MS/MS* requires only one sample and a single test run, so fewer materials are needed, and you can run more tests in less time—while still obtaining the reliable, accurate result you've come to expect from VICAM mycotoxin test kits.

### **Benefits:**

- Versatile** – For use with LC/MS/MS or HPLC
- Accurate** – Meets European Committee for Standardization (CEN) criteria for mycotoxin analysis methods
- Comprehensive** – Detects aflatoxins, deoxynivalenol, fumonisins, ochratoxin A, zearalenone, and T-2 and HT-2 toxins with one simple test
- Convenient** – Only one sample and one procedure required to detect multiple toxins
- Durable** – Long shelf life
- Economical** – One test provides results for multiple toxins, saving time and materials

### **Here's How Simple Myco6in1 LC/MS/MS is to Use:**

#### **PBS Sample Extraction (Extract A)**

- Grind and weigh sample
- Add PBS
- Shake and centrifuge
- Separate and filter PBS extract

#### **Methanol Sample Extraction (Extract B)**

- Add methanol
- Shake and centrifuge
- Dilute and filter methanol: PBS extract

#### **Absorb and Elute**

- Pass extract B over column
- Wash column
- Pass extract A over column
- Wash column
- Elute toxins and collect in cuvette

#### **Measure**

- Dry down and reconstitute eluate
- Inject eluate into LC/MS/MS
- Determine concentrations of each mycotoxin



## Ordering Information

Cat. No.	Description
100000176	<i>Mycobin1™</i> LC/MS/MS Columns (25 per box)
G1113	Phosphate Buffered Saline, 10X concentrate (150 mL)
G4033	Micro-pipettor, 1.0 mL
20050	Graduated Cylinder, 50 mL
20100	Digital Scale with AC Adapter
20250	Graduated Cylinder, 250 mL
20656	Micro-pipette Tips for 1 mL Micro-pipettor (100)
20700	Wash Bottle, 500 mL
21010	Cuvette Rack
21020	Single Position Pump Stand*
34000	Disposable Cuvettes (250 per pack)
35016	Methanol, HPLC Grade (4 x 4 L)
36010	Disposable Plastic Beakers (25 per pack)
36020	Filter Funnel, 65 mm (10 per pack)

### Also required; must be sourced locally:

Acetic Acid, Glacial (HPLC Grade)  
Ammonium Acetate (mass spectrometry grade)  
Centrifuge Capable of 3000 x g  
Relative Centrifugal Force  
Distilled, Reverse Osmosis, or Deionized Water  
Orbital Shaker  
Whatman GF/A Microfibre Filters

\* Multiple position pump stands available.

Subject to change without notice.

©2008 VICAM. *Mycobin1™* LC/MS/MS is a registered trademark of VICAM.

All VICAM products are protected by worldwide patents and trademarks.

The analytical methods presented in this data sheet have been researched and developed by VICAM to be used exclusively with *Mycobin1™* LC/MS/MS products. These analytical methods have been validated in the VICAM laboratories to perform to the specifications indicated in the *Mycobin1* LC/MS/MS procedures.

The user assumes all risk in using *Mycobin1* LC/MS/MS analytical procedures and products. VICAM makes no warranty of any kind, expressed or implied, other than that *Mycobin1* LC/MS/MS 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, indirect, 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 *Mycobin1* LC/MS/MS products.

**VICAM**

» Cultivating Success through Science®

313 Pleasant Street  
Watertown, MA 02472 USA

Tel: 800.338.4381  
+1.617.926.7045

Fax: +1.617.923.8055

vicam@vicam.com