



## Safeguarding the Efficacy of Botanicals

Ensure that Botanicals are free from unwanted contamination by aflatoxin, ochratoxin and other naturally occurring mold toxins. Botanical products may become susceptible to mycotoxin contamination during cultivation, storage or processing. The natural byproducts of several mold species, aflatoxin and ochratoxin present serious health risks to humans and animals – including liver toxicity, immune suppression, and aflatoxin is a known carcinogen according the International Agency for Research on Cancer (IARC).

VICAM's family of mycotoxin testing solutions offers your business a full range of versatile, practical solutions to aflatoxin and ochratoxin monitoring. From simple, on-site detection using fluorometer, to highly sensitive HPLC or UPLC detection in the laboratory – VICAM offers proven aflatoxin and ochratoxin detection and monitoring to the botanicals producer and trusted analytical laboratory.

### VICAM solutions empower you to:

- **Manage botanicals quality with confidence**
- **Ensure consistent product purity**
- **Meet internal and industry regulatory requirements with ease**

### HERE'S HOW SIMPLE VICAM TESTS ARE TO USE:

#### EXTRACT SAMPLE

- Grind and weigh sample
- Add salt and methanol/  
water mixture
- Filter

#### DILUTE AND FILTER

- Dilute extract
- Filter

#### ISOLATE TOXIN

- Apply Sample to  
Immunoaffinity Column

#### MEASURE

- Add developers and place cuvette  
into a calibrated fluorometer, or
- Dilute and inject eluate into  
HPLC or UPLC
- Determine Toxin Concentration



## VICAM NARROW BORE COLUMNS

BENEFITS		AflaTest	OchraTest
<b>Durable</b>	Long shelf life; requires no refrigeration	X	X
<b>Versatile</b>	Can be used with a variety of samples	X	X
<b>Convenient</b>	For use with fluorometric or HPLC	X	
<b>Easy</b>	No special skills required, test can be performed virtually anywhere	X	
<b>Quick</b>	Less than 10 minutes to isolate toxin	X	
<b>Safe</b>	Requires less toxic materials than other methods	X	X

## VICAM WIDE BORE COLUMNS

BENEFITS		AflaTest WB	OchraTest WB	AflaOchra
<b>Durable</b>	Long shelf life; requires no refrigeration	X	X	X
<b>Versatile</b>	Can be used with a variety of samples	X	X	X
<b>Exclusive</b>	Specifically for HPLC, UPLC or LC/MS/MS use	X	X	X
<b>Quick</b>	10 minutes to isolate toxin	X	X	X
<b>Wide Range</b>	Detects levels as high as 500 ppb	X	X	
<b>Fast Flow</b>	Passes more volume over the column	X	X	X

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