



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

ABSORB AND ELUTE

- Pass filtrate over selected
affinity column
- Wash column
- Elute toxin and collect in a cuvette

MEASURE

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

Mycotoxin Analysis in Feed & Grain

Corn, wheat, rice, barley and grains crops are acutely vulnerable to pervasive, invisible Mycotoxins a large family of microcontaminants that threatens the viability of grain crops in the field and the quality, safety, and profitability of grain-based products.

As regulatory agencies worldwide intensify scrutiny of domestic and imported grain commodities for unsafe levels of mycotoxins, farmers, processors, storage facility operators and other industry sectors increasingly rely on frequent testing at every phase of the production cycle.

The costs of frequent testing, as well technical challenges of trace analysis in complex biological matrices, continues to drive urgent demand for innovative, practical analytical methods. These technology advances must not only provide state-of-art capabilities required to demonstrate compliance with government regulations but also meet local industries' urgent need for user-friendly, cost-effective applications.

VICAM has answered these demands with the most comprehensive line of GIPSA and AOAC-approved mycotoxin testing options on the market. For the detection and measurement of mycotoxins from aflatoxins to zearalenone, our complete mycotoxin test system delivers unmatched levels of sensitivity, precision, and reliability.

- **Quick, Easy, Precise Testing**
- **Comprehensive: From Aflatoxin to Zearalenone**



VICAM NARROW BORE COLUMNS

BENEFITS		AflaTest	DonTest	FumoniTest	OchraTest	T-2test HPLC	ZearalaTest
Durable	Long shelf life; requires no refrigeration	X			X	X	X
Versatile	Can be used with a variety of samples	X	X	X	X	X	X
Convenient	For use with fluorometric or HPLC	X		X	X		X
Easy	No special skills required, test can be performed virtually anywhere	X	X	X	X	X	X
Quick	Less than 10 minutes to isolate toxin	X	X	X	X	X	X
Safe	Requires less toxic materials than other methods	X	X	X	X	X	X

VICAM WIDE BORE COLUMNS

BENEFITS		AflaTest WB	DonTest WB	FumoniTest WB	OchraTest WB	T-2/HT-2 HPLC	ZearalaTest WB
Durable	Long shelf life; requires no refrigeration	X			X	X	X
Versatile	Can be used with a variety of samples	X	X	X	X	X	X
Exclusive	Specifically for HPLC or UPLC use	X	X	X	X	X	X
Quick	10 minutes to isolate toxin	X	X	X	X	X	X
Fast Flow	Passes more volume over the column	X	X	X	X	X	X

VICAM MULTI-ANALYTE COLUMNS

BENEFITS		AflaOchra HPLC	AOZ HPLC	Myco6in1
Convenient	Only one sample and one procedure required to detect multiple toxins	X	X	X
Durable	Long shelf life	X	X	X
Economical	One test provides results for multiple toxins, saving time and materials	X	X	X
Fast Flow	Passes more volume over the column	X	X	X
Exclusive	Specifically for HPLC, UPLC or LC/MS/MS use	X	X	X



Subject to change without notice.

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