

Mycotoxin Analysis in Coffee

Recent food safety legislation has placed coffee among several commodities being monitored for ochratoxin A. Importing countries are often concerned with the level of human or animal exposure because of the health risks associated with this naturally occurring toxin, which has been linked to acute kidney toxicity, immune suppression and even cancer. Coffee producers are responding with proactive programs to monitor and prevent contamination with ochratoxin A using multi-point testing programs which incorporate rapid quantitative detection using VICAM's OchraTest column coupled with fluorometric, HPLC or UPLC detection. Ochratoxin A is the byproduct of naturally occurring, soil-borne molds which may produce toxins when the crop becomes stressed due to environmental conditions, such as drought. Protect your brand and add value to your investment with accurate, precise solutions from VICAM.

VICAM's family of mycotoxin testing solutions offers your business a full range of versatile, practical solutions to ochratoxin A monitoring. From simple, on-site detection using fluorometric, to highly sensitive HPLC or UPLC detection in the laboratory, VICAM offers proven ochratoxin A monitoring to the producer, roaster and retailer.

- **Consistently Accurate Results from Field to Port & Beyond**
- **Sensitive Detection at or below European & Other International Regulated Limits**

HERE'S HOW SIMPLE VICAM TESTS ARE TO USE:

EXTRACT SAMPLE

- Grind and weigh sample
- Add methanol/sodium bicarbonate 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

VICAM NARROW BORE COLUMNS



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

VICAM WIDE BORE COLUMNS



BENEFITS		OchraTest WB
Durable	Long shelf life; requires no refrigeration	X
Versatile	Can be used with a variety of samples	X
Exclusive	Specifically for HPLC or UPLC use	X
Wide Range	Detects levels as high as 300 ppb	X
Fast Flow	Passes more volume over the column	X

Subject to change without notice.

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