



## Precise, Quantitative, and Fast Results

VICAM Ochra-V™ strip tests answer one of today's toughest food safety challenges with a new, user friendly lateral flow test for ochratoxin A that delivers accurate, quantitative results in minutes. Ochratoxin A is the toxic byproduct of *Aspergillus* and *Penicillium* molds and may be found in cereal grains, coffee, soy, wine, spices, cocoa, dried fruit, and other agricultural products. Ochratoxin A is known to cause immune suppression and kidney damage in animals and is a probable carcinogen based on recent animal studies. Concerns about ochratoxin A toxicity and chronic exposure in humans and animals have compelled worldwide regulatory agencies to respond with protective measures including the setting of maximum allowable levels of ochratoxin A for domestic and imported goods.

Ochratoxin A is regulated by the European Commission at very low concentrations from 0.5 ppb in baby food and 5 ppb for unprocessed cereals and up to 80 ppb for liquorice extract. Countries throughout Asia and Latin America also enforce maximum allowable levels of ochratoxin A in food and grain. Ochratoxin A may co-occur with other mycotoxins, compounding toxicity and increasing the need for rapid, early detection in order to prevent the introduction of ochratoxin A into the global food supply chain.

Ochra-V strip tests, designed for use with the Vertu® Lateral Flow Reader, employ highly sensitive and selective monoclonal antibodies to accurately detect and quantify ochratoxin A in wheat and coffee samples at levels as low as 2.5 ppb. A simple, easy to use procedure saves time and materials, and the test takes only 7 minutes\* to complete. Readings are displayed on the digital screen of the Vertu Reader, ensuring on time results, every time.

### BENEFITS

**Fast screening** – Results in less than 7 minutes\*

**Simple** – No special training required

**Sensitive** – Limits of detection as low as 2.5 ppb

**Convenient** – Easy to perform onsite or in the lab

**Durable** – Long shelf life

**Accurate** – Real-time data which may be printed or downloaded to a computer

**Wide Range** – 0 to 100 ppb

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

- Weigh sample
- Extract with 70% methanol
- Add water, mix, and filter
- Transfer sample extract to the strip test vial
- Mix with diluent
- Transfer to the Ochra-V strip test
- Develop the strip test for 5 minutes
- Insert the Ochra-V strip test into the Vertu Reader
- Read results

\* after extraction

## ORDERING INFORMATION

The products listed below are available as kits/packages or individually (where applicable).

### Strip Tests

Description	Part Number
Ochra-V Kit (25 tests)	176003046
Kit contains:	
Ochra-V Strips (25)*	—
Ochra-V Diluent (1)	100000283
Strip Test Filters (25)	600001106
Microfiber filter paper for green coffee (100)	31955
Strip Test Vials (25)	600000813
Micropipette Tips, 100 µL (50)	600001109
Extraction Tubes, 40 mL (50)	600000827
Ochra-V Barcode Set	715003863
Ochra-V Instruction Guide (1)	715003862

### Vertu Basic Equipment Packages

Description	Part Number
Vertu Mycotoxin BEQ w/Printer, 110V	176002078
Vertu Mycotoxin BEQ w/Printer, 220V	176002079
Packages contain:	
Vertu Reader w/ Barcode Scanner (1)	725000574
Printer (1)	725000577
Filter Funnels, 65 mm (10)	36020
Graduated Cylinder, 25 mL	600000937
Micropipettor, 100 µL	600001108
Strip Test Vial Rack (1)	600001107
Digital Timer (1)	G4036
Micropipette Tips, 100 µL (25)	600001109
Strip Test Filters (25)	600001106
Extraction Tubes, 40 mL (25)	600000827
Vortex Mixer, 110V or 220V (1)	
110V	23040
220V	23041
Vertu Instruction Manual (1)	715002426

\*Only available as part of a kit, not sold separately.

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The analytical methods presented in this data sheet have been researched and developed by VICAM to be used exclusively with Ochra-V products. These methods have been validated in the VICAM laboratories to perform to the specifications indicated in the Ochra-V procedures. The user assumes all risk in using Ochra-V procedures and products. VICAM makes no warranty of any kind, expressed or implied, other than that Ochra-V 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 Ochra-V products.

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