



## A Solvent Free Solution that is Precise, Quantitative, and Fast

VICAM Ochra-V® AQUA™ strip tests answer one of today's toughest food safety challenges with a rapid, eco-friendly lateral flow test for ochratoxin A. Ochra-V AQUA delivers precise, fully quantitative data for ochratoxin A in minutes using a water-based extraction approach that eliminates the need for organic solvent along with the associated acquisition, storage, and disposal costs.

Ochratoxin A is the toxic byproduct of *aspergillus* and *penicillium* molds 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 Europe, Latin America, Asia, and Canada at levels as low as 0.5 ppb in baby food, 5-10 ppb for green, roasted and soluble coffee, wine, dried fruit, cereal grains, and up to 80 ppb for liquorice extract. 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 AQUA 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 green coffee samples at levels as low as 2 ppb and as high as 30 ppb.\*\* The simple, easy to use procedure saves time and materials, and the test takes only 5 minutes\* to complete. Readings are displayed on the digital screen of the Vertu Reader, ensuring rapid results for every analysis.

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

- Weigh sample
- Extract with AQUA Solution
- Mix and Filter
- 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

### BENEFITS

**Sustainable** – Safe, solvent-free testing

**Fast screening** – Results in 5 minutes

**Simple** – No special training required

**Sensitive** – Limits of detection as low as 2 ppb

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

**Durable** – Extended shelf life

**Accurate** – Highly specific, monoclonal antibody detection of ochratoxin

**Wide Range** – 2 to 30 ppb

\*after extraction  
\*\*limits of detection will vary based on procedure. Refer to manual

## ORDERING INFORMATION

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

### Strip Tests

Description	Part Number
Ochra-V AQUA Kit (25 Tests)	176004087
Kit contains:	
Ochra-V Strips (25)	100000284
Strip Test Filters (25)	600001106
Micropipette Tips, 100 µL (50)	600001109
Extraction Tubes, 40 mL (50)	600000827
Ochra-V AQUA Bar Code Set	715005477
Ochra-V AQUA Instruction Guide	715005478

### AQUA Premix Solutions

AQUA Premix Solution (900 mL)	100000339
AQUA Premix Solution (4 L)	100000345
AQUA Premix Solution (20 L)	100000347
OR	
AQUA Solution A	100000336
AQUA Solution B	100000337

### 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
Graduated Cylinder, 50 mL	20050
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
Vortex Sample Holder	600001136
Strip Test Vial (25)	600000813
Vertu Instruction Manual (1)	715002543

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