



## 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™ TOUCH 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.

### 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

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

- Weigh sample
- Extract with AQUA Solution
- Mix and filter
- Transfer to the Ochra-V test strip
- Develop the test strip for 5 minutes
- Insert the Ochra-V test strip into the Vertu TOUCH Reader
- Read results



\*after extraction

## ORDERING INFORMATION

Cat. No.	Description	Sample Type
176004975A	Ochra-V AQUA VT Kit (25 Tests)	corn
176004975B	Ochra-V AQUA VT Kit (25 Tests)	wheat
176004975C	Ochra-V AQUA VT Kit (25 Tests)	coffee
176004975E	Ochra-V AQUA VT Kit (25 Tests)	barley

### Kit Contents

Cat. No.	Description	Sample Type
100000284A	Ochra-V Strips w/Barcode (25/Pk)	corn
100000284B	Ochra-V Strips w/Barcode (25/Pk)	wheat
100000284C	Ochra-V Strips w/Barcode (25/Pk)	coffee
100000284E	Ochra-V Strips w/Barcode (25/Pk)	barley
600001109	Micro-pipette tips (100 µL)	
600001716	V-Cup w/Filter, (25/Pk)	
715007435	Ochra-V AQUA VT Corn Procedure Poster (corn, wheat, coffee & barley)	

### Required but not included

Cat. No.	Description
100000339	AQUA Premix Solution (900 mL)
100000345	AQUA Premix Solution (4 L)
100000347	AQUA Premix Solution (20 L)

### Vertu TOUCH Basic Equipment Packages

Cat. No.	Description
176004970	Vertu TOUCH Basic Equipment Package, 110V/220V
176005142	Vertu TOUCH Basic Equipment Pkg, w/out Printer, 110V/220V

### Equipment Package Contents

Cat. No.	Description
725000678	Vertu TOUCH Reader
725000685	Vertu Sensor Dongle
600001928	Vertu PREP Mixer Base, 110/220V
176005007	Vertu PREP Mixer w/5 Tubes, 110/220V
600001926	Vertu TOUCH Dymo Printer, 110/220V
G4036	Digital Timer
600001108	Micro-Pipettor, 100 µL

### Supplies/Consumables

#### (included with Equipment Package)

Cat. No.	Description
600001724	Digital Pocket Balance
715007522	Vertu TOUCH Reader Quick Start Guide
600001933	Vertu TOUCH Reader Protective Case
600001929	Vertu PREP Extraction Tubes
600001109	Micro-Pipette Tips, 100 µL
600001939	Vertu TOUCH Printer Label/Paper, 1 Roll
600001107	Strip Test Vial Rack
600000937	Graduated Cylinder, 25 mL

Subject to change without notice.

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#### Orders:

1848 N Deffer Drive  
Nixa, MO 65714 USA  
Tel: +1.877.228.4244  
+1.417.725.6588  
Fax: +1.417.725.6102  
orders@vicam.com

#### Headquarters:

34 Maple Street  
Milford, MA 01757 USA  
Tel: +1.800.338.4381  
+1.508.482.4935  
Email: vicam@vicam.com  
www.vicam.com



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