



Fast, Precise, and Solvent-Free Zearalenone Test Results

VICAM's Zearala-V™ AQUA™ answers one of today's toughest food safety challenges with a new user-friendly lateral flow zearalenone strip test that delivers accurate quantitative results in a matter of minutes while eliminating the risks and expense associated with on-site solvent use and disposal. Zearalenone is a mycotoxin produced by some Fusarium and Gibberella mold species. Heat stable and prevalent across staple cereal crops such as maize (corn), barley, oats, sorghum, wheat and rice, zearalenone disrupts growth, development and reproduction in livestock animals at levels as low as 1 part per million (ppm).

The European Union (EU) recommends levels of zearalenone at or below 25 ppb for maize intended for direct human consumption, maize-based snacks and breakfast cereals. Global guidance for animal feeds ranges from 25 ppb in sows and gilts, to as high as 2,000 ppb for poultry.

Zearala-V AQUA test strips use the proven sensitivity and selectivity of VICAM's monoclonal antibodies to accurately detect and measure zearalenone at levels as low as 25 ppb and as high as 2,000 ppb. Zearala-V AQUA eliminates the need for hazardous solvents using a water based, hands free extraction. The sample preparation procedure saves time and materials, and the test strip develops in just 5 minutes.* Digital results are displayed on the Vertu™ TOUCH reader, eliminating the need for subjective visual interpretation.

BENEFITS

Sustainable – Safe, solvent-free testing

Fast Screening – Results in 5 minutes*

Simple – No special training required

Sensitive – Limits of detection as low as 25 ppb

Convenient – Easily performed onsite or in the lab

Durable – Long shelf life

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

Wide Range – 25 to 2,000 ppb

HERE'S HOW SIMPLE VICAM TESTS ARE TO USE:

- Weigh sample
- Add AQUA Solution, mix
- Filter
- Transfer to the Zearala-V test strip
- Incubate the test strip for 5 minutes
- Insert the Zearala-V test strip into the Vertu TOUCH reader
- Read results

Zearala-V™ AQUA™
QUANTITATIVE STRIP TESTS



*after extraction

ORDERING INFORMATION

Cat. No.	Description	Sample Type
176004976A	Zearala-V AQUA Kit (25 Tests)	corn
176004976B	Zearala-V AQUA Kit (25 Tests)	wheat
176004976C	Zearala-V AQUA Kit (25 Tests)	corn oil

Kit Contents

Cat. No.	Description	Sample Type
100000286A	Zearala-V Strips w/Barcode (25/Pk)	corn
100000286B	Zearala-V Strips w/Barcode (25/Pk)	wheat
100000286C	Zearala-V Strips w/Barcode (25/Pk)	corn oil
600001109	Micro-pipette tips (100 µL)	
600001716	V-Cup w/Filter, (25/Pk)	
715007436	Zearala-V AQUA Procedure Poster	

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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