



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: 0.1 ppm for maize intended for direct human consumption, maize-based snacks and breakfast cereals.

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 0.1 ppm and as high as 5.0 ppm. Zearala-V AQUA eliminates the need for hazardous solvents using a water-based dilution-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[®] Lateral Flow 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 0.1 ppm

Convenient – Easily performed onsite or in the lab

Durable – Long shelf life

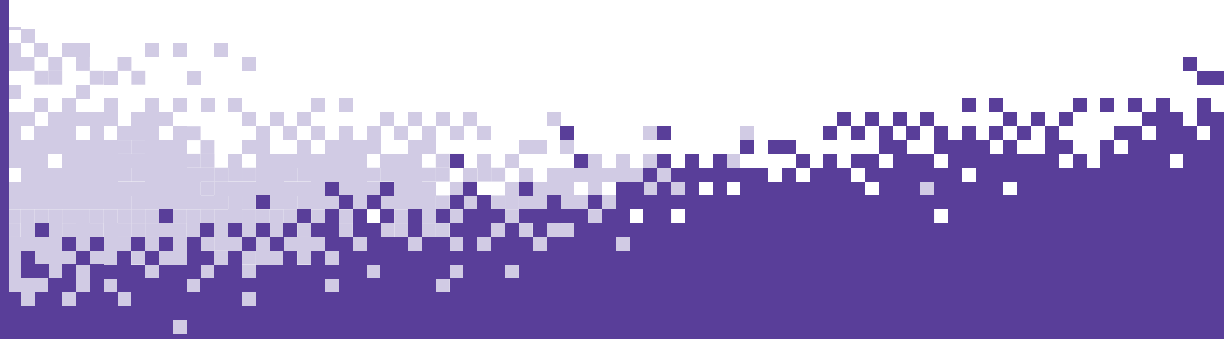
Accurate – Real-time data which can be printed or downloaded to a computer

Wide Range – 0.1 to 5.0 ppm

HERE'S HOW SIMPLE VICAM TESTS ARE TO USE:

- Weigh sample
- Add AQUA Solution, vortex
- Filter
- Transfer to the Zearala-V AQUA Test Strip
- Incubate the Test Strip for 5 minutes
- Insert the Zearala-V AQUA Test Strip into the Vertu Reader
- Read results

*after extraction
 This procedure has been validated for corn.



ORDERING INFORMATION

Description	Cat. No.
Zearala-V AQUA Kit (25 tests)	176003127

KIT CONTENTS

Description	Cat. No.
Zearala-V AQUA Strip Tests	100000286
Micro-pipette tips (100 µL)	600001109
Filter paper	600001106
Extraction tubes (40 mL)	600000827
Zearala-V AQUA barcode set	715003988
Zearala-V AQUA instruction guide	715003987

REQUIRED BUT NOT INCLUDED

Description	Cat. No.
AQUA premix solution (900 mL)	100000339
AQUA premix solution (4 L)	100000345
AQUA premix solution (20 L)	100000347
<i>OR</i>	
AQUA solution A	100000336
AQUA solution B	100000337

Subject to change without notice.

Description	Cat. No.
Vertu Mycotoxin BEQ (110 V)	176002078
Vertu Mycotoxin BEQ (220 V)	176002079

EQUIPMENT PACKAGE CONTENTS

Description	Cat. No.
Vertu reader (110 V and 220 V)	725000574
Vertu bar-code scanner	725000576
Printer (110 V and 220 V)	725000577
Vortex mixer	23040
Digital timer	G4036
Micro-pipettor (100 µL)	600001108
Filter funnel, 65 mm (4 pack)	36020
Strip test vial rack	600001107
Graduated cylinder (25 mL)	600000937
Vertu basic instruction guide	715002426
Extraction tubes	600000827
Micro-pipette tips	600001109
Strip test filters	600001106
Vortex sample holder	600001136
Graduated cylinder (50 mL)	20050
Strip test vials	600000813

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