



## Precise Numerical Results

Zearalenone is an estrogenic mycotoxin produced by the fungus *Fusarium graminearum*. Zearalenone induces feminization in animals at concentrations in feed of about 1 ppm. Higher concentrations (50-100 ppm) can interfere with conception, ovulation, implantation, fetal development, and the viability of newborn animals. Using monoclonal antibody-based affinity chromatography, ZearalaTest™ from VICAM is the trusted zearalenone test that produces precise numerical results.

ZearalaTest is safe and simple. It can be performed in less than 15 minutes and requires no special skills. Results may be recorded using a digital fluorometer readout or automatic printing devices. ZearalaTest is also ideal as the cleanup step for any HPLC or TLC analysis. With ZearalaTest you have the best of all worlds: sensitivity, simplicity, and speed—quick tests for parts per million levels. In fact, no other test comes close for speed, quantification, and economy.



### BENEFITS

**Convenient** – For use with fluorometer or HPLC

**Durable** – Long shelf life; requires no refrigeration

**Versatile** – For use with a variety of samples

**Quick** – Less than 15 minutes to isolate toxin\*

**Wide Range** – Detects levels as low as 0.1 ppm and as high as 5 ppm

**Safe** – Requires less toxic materials than conventional methods

### CULTIVATING SUCCESS THROUGH SCIENCE™:

#### EXTRACT SAMPLE

- Grind and weigh sample
- Add salt and methanol/water or acetonitrile/water mixture
- Filter

#### DILUTE AND FILTER

- Dilute extract
- Filter

#### ABSORB AND ELUTE

- Pass filtrate over ZearalaTest

#### AFFINITY COLUMN

- Wash column
- Elute zearalenone and collect in cuvette

#### MEASURE

- Add Developer and place cuvette into a calibrated fluorometer, or
- Inject Eluate into HPLC
- Determine zearalenone concentration

\* Excluding preparation and extraction.





## ORDERING INFORMATION

Cat. No.	Description	Cat. No.	Description
G8010	ZearalaTest Basic Equipment Package (110 Volt)	20656	Micro-pipette tips for 1 mL Micro-pipettor
G8036	ZearalaTest Upgrade Pack	G4033	Micro-pipettor, 1 mL
G1012	ZearalaTest Columns (25 per box)	36020	Filter Funnel, 65 mm (10 per pack)
33020	Mycotoxin Calibration Standards	36022	Filter Funnel, 105 mm (4 per pack)
32011	ZearalaTest Developer (50 mL)	36010	Disposable Plastic Beakers (25 per pack)
G1112	10x concentrate of 0.1% Tween PBS (150 mL)	20050	Graduated Cylinder, 50 mL
G1124	Noniodized Sodium Chloride (Salt, NaCl)	20250	Graduated Cylinder, 250 mL
35016	Methanol, HPLC Grade (4 x 4L)	21020	Single Position Pump Stand†
G1130	Acetonitrile (4 x 4L)	20100	Digital Scale with AC Adapter
34000	Disposable Cuvettes (250 per pack)	20200	Commercial Blender with Stainless Steel Container
21010	Cuvette Rack	20300	Glass Blender Jar
31240	VICAM Fluted Filter Paper, 24 cm (100)	G8000	Series-4EX Fluorometer™
G2005	Microfiber Filters, 1.0µm, 9 cm (100)	23040	Vortex Mixer
31967	Kim Wipes		
20700	Wash Bottle, 500 mL		
20501	500 mL Bottle Dispenser for Methanol (0-3 mL range)		
20652	Disposable Plastic Pipets, 1 mL (50 per pack)		

**Also required; must be sourced locally:**  
Distilled, Reverse Osmosis, or Deionized Water

† Multiple position pump stands available

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