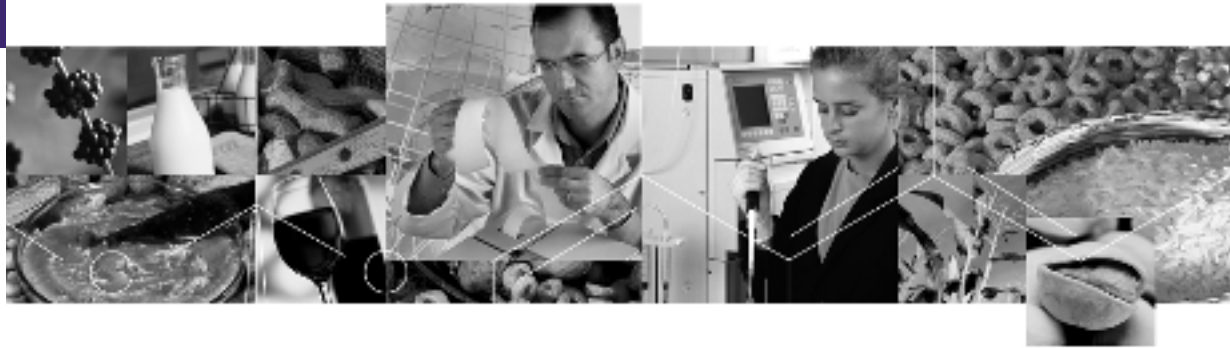


ZearalaTest™ Affinity Column



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

*excluding preparation and extraction

Here's How Simple ZearalaTest is to use:

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



Ordering Information

Cat. No.	Description
G8010	ZearalaTest Basic Equipment Package (110 Volt)
G8036	ZearalaTest Upgrade Pack
G1012	ZearalaTest Columns (25 per box)
33020	Mycotoxin Calibration Standards
32011	ZearalaTest Developer (50 mL)
G1112	10x concentrate of 0.1% Tween PBS (150 mL)
G1124	Noniodized Sodium Chloride (Salt, NaCl)
35016	Methanol, HPLC Grade (4 x 4L)
G1130	Acetonitrile (4 x 4L)
34000	Disposable Cuvettes (250 per pack)
21010	Cuvette Rack
31240	VICAM Fluted Filter Paper, 24 cm (100)
G2005	Microfiber Filters, 1.0 µm, 9 cm (100)
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)

Cat. No.	Description
20656	Micro-pipette tips for 1 mL Micro-pipettor
G4033	Micro-pipettor, 1 mL
36020	Filter Funnel, 65 mm (10 per pack)
36022	Filter Funnel, 105 mm (4 per pack)
36010	Disposable Plastic Beakers (25 per pack)
20050	Graduated Cylinder, 50 mL
20250	Graduated Cylinder, 250 mL
21020	Single Position Pump Stand†
20100	Digital Scale with AC Adapter
20200	Commercial Blender with Stainless Steel Container
20300	Glass Blender Jar
G8000	Series-4EX Fluorometer™
23040	Vortex Mixer

Also required; must be sourced locally:

Distilled, Reverse Osmosis, or Deionized Water

†Multiple position pumps stands available

Subject to change without notice.

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The analytical methods presented in this data sheet have been researched and developed by VICAM to be used exclusively with ZearalaTest™ products. These analytical methods have been validated in the VICAM laboratories to perform to the specifications indicated in the ZearalaTest procedures.

The user assumes all risk in using ZearalaTest analytical procedures and products. VICAM makes no warranty of any kind, expressed or implied, other than that ZearalaTest products conform to VICAM's printed specification and quality control standards. VICAM will, at its option, repair or replace any product, or part thereof, which proves to be defective in workmanship or material. VICAM's undertaking to repair or service such products is exclusive and is in lieu of all other warranties whether written, oral, expressed, or implied, including any implied warranty of merchantability or fitness for a particular purpose. VICAM shall have no liability for anticipated or lost profits or any loss, inconvenience or damage whether direct, indirect, incidental, consequential or otherwise, to person or property, or for strict liability or negligence arising from or in connection with the use of these assay procedures or ZearalaTest products.

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