



Precise Numerical Results

T-2/HT-2 toxins are produced by various *Fusarium* fungi that naturally occur in wheat and other cereal grains. Ten times more toxic than the potentially lethal contaminant deoxynivalenol (DON), T-2/HT-2 toxins attack the immune system in livestock, causing serious health problems ranging from skin lesions and weight loss to shock and hemorrhagic fever. Researchers have also linked T-2/HT-2 to the devastating human disease alimentary toxic aleukia (ATA). The mounting evidence on the deadly effects of T-2/HT-2 exposure has raised concerns among food safety regulators worldwide and underscores the importance of test methods that can detect trace amounts of these toxins before they reach human and animal consumers.

VICAM's new T-2/HT-2™ HPLC test kit combines our proven immunoassay technology with high-performance liquid chromatography (HPLC), the preferred analytic method of laboratories around the world, to detect and measure T-2/HT-2 toxins. The highly selective monoclonal antibodies in VICAM patented immunoaffinity columns streamline sample cleanup and, when used in conjunction with UV detection, provide precise, reliable readings of contamination levels ranging 100 ng to 1,000 ng.*

This sensitive, reliable HPLC-only test has a long shelf life and can be used with a variety of samples. No other test method comes close to VICAM's for speed, precision, and specificity.

CULTIVATING SUCCESS THROUGH SCIENCE™:

EXTRACT SAMPLE

- Grind and weigh sample
- Add salt and methanol/ water mixture
- Blend and filter

DILUTE AND FILTER

- Dilute extract
- Filter

ABSORB AND ELUTE

- Pass filtrate over T-2/HT-2 HPLC affinity column
- Wash column
- Elute T-2/HT-2 and collect in cuvette

MEASURE

- Dry and reconstitute eluate
- Inject into HPLC
- Determine T-2/HT-2 concentration



BENEFITS

Exclusive – Specifically for HPLC use

Powerful – Designed exclusively for HPLC use

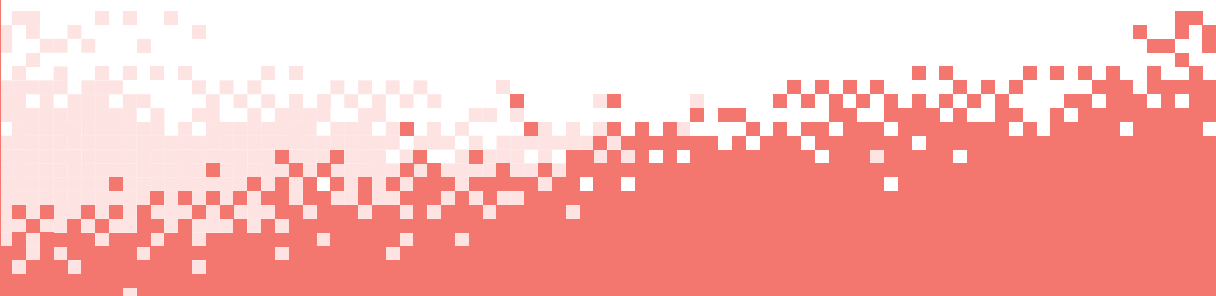
Convenient – Uses same methods as other VICAM tests

Durable – Long shelf life; requires no refrigeration

Versatile – Can be used with a variety of samples

Wide Range – Reliable readings of contamination levels ranging 100 ng to 1,000 ng.*

Safe – Requires less toxic materials than other methods





ORDERING INFORMATION

Cat. No.	Description	Cat. No.	Description
176000207	T-2/HT-2™ HPLC Columns (25 per box)	31955	Microfiber Filter
176000208	T-2/HT-2 HPLC Kit—100 columns and 1 Set Standards	21010	Cuvette Rack
G1124	Noniodized Sodium Chloride (salt, NaCl)	21020	Single Position Pump Stand**
35016	Methanol, HPLC Grade (4 x 4 L)	31242	DONtest™ Fluted Filter Paper for HPLC, 24 cm (100)
G4033	Micropipettor, 1 mL	32016	OchraTest™ Eluting Solution
20050	Graduated Cylinder, 50 mL	G1130	Acetonitrile, HPLC Grade (4 x 4 L)
20100	Digital Scale with AC Adapter	36010	Disposable Plastic Beakers (25 per pack)
20200	Commercial Blender with Stainless Steel Container	36020	Filter Funnels, 65 mm (10 per pack)
20250	Graduated Cylinder, 250 mL	36022	Filter Funnels, 105 mm (4 per pack)
20652	Disposable Plastic Pipettes, 1 mL (50)		
20656	Micropipette Tips for 1 mL Micropipettor (100)		
20700	Wash Bottle, 500 mL (1)		

Also required; must be sourced locally:

Distilled, Reverse Osmosis, or Deionized Water
Silanized Glass Cuvettes

** Multiple position pump stands available

Subject to change without notice.

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