



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.



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 from 100* ng to 1,000 ng

Safe – Requires less toxic materials than other methods

HERE'S HOW SIMPLE VICAM TESTS ARE TO USE:

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

*Lower limits may be achieved with other methods of detection

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 Standard)	21010	Cuvette Rack
176002729	T2/HT-2 HPLC Kit (50 columns and 1 Standard)	21020	Single Position Pump Stand†
G1124	Noniodized Sodium Chloride (salt, NaCl)	31242	DONtest™ Fluted Filter Paper for HPLC, 24 cm (100)
35016	Methanol, HPLC Grade (4 x 4 L)	32016	OchraTest™ Eluting Solution
G4033	Micropipettor, 1 mL	G1130	Acetonitrile, HPLC Grade (4 x 4 L)
20050	Graduated Cylinder, 50 mL	36010	Disposable Plastic Beakers (25 per pack)
20100	Digital Scale with AC Adapter	36020	Filter Funnels, 65 mm (10 per pack)
20200	Commercial Blender with Stainless Steel Container	36022	Filter Funnels, 105 mm (4 per pack)
20250	Graduated Cylinder, 250 mL		
20652	Disposable Plastic Pipettes, 1 mL (50)		
20656	Micropipette Tips for 1 mL Micropipettor (100)		
20700	Wash Bottle, 500 mL (1)		
G1118	WB Column Coupling (6)		

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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The analytical methods presented in this data sheet have been researched and developed by VICAM to be used exclusively with T-2/HT-2 products. These methods have been validated in the VICAM laboratories to perform to the specifications indicated in the T-2/HT-2 procedures. The user assumes all risk in using T-2/HT-2 procedures and products. VICAM makes no warranty of any kind, expressed or implied, other than that T-2/HT-2 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 T-2/HT-2 products.

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