



## Precise, Quantitative and Fast Detection of T-2 and HT-2 with Vertu™ TOUCH

VICAM's T2/HT2-V quantitative strip tests answer one of today's toughest agricultural safety and production challenges with a simple, water-based strip test that delivers precise quantitative results for T-2 and HT-2 in just minutes while eliminating the risks and expense associated with on-site solvent use and disposal. Ten times more toxic than vomitoxin (DON), T-2 and HT-2 are Type A Tricothecene mycotoxins which target the immune system of livestock, resulting in serious health complications such as skin lesions, hemorrhagic fever, and shock. T-2 has also been linked with the dangerous human disease alimentary toxic aleukia (ATA).

Global regulatory agencies recommend specific guidelines for T-2 and HT-2, enabling raw materials handlers and feed manufacturers to safeguard animal health, while ensuring optimal production and profitability. Enforceable limits range from 80 ppb in animal feed in China, up to 2,000 ppb recommended level for oat milling products intended for animal feed production in the EU. In addition, the EU recommends limiting T-2 and HT-2 to levels as low as 15 ppb for human foods intended for infants and young children, and up to 100 ppb for cereal processing products intended for human foods.

T2/HT2-V AQUA Strip Tests utilize the proven sensitivity and selectivity of VICAM's monoclonal antibodies to accurately detect and measure combined T-2 and HT-2 at levels as low as 10 parts per billion (ppb) and as high as 800 ppb. T2/HT2-V AQUA eliminates the need for hazardous solvents, using a water-based extraction procedure that requires no dilution step and develops in just 5 minutes. Results are displayed on the touch screen display and may also be printed or transferred to a computer for storage and use as an integral part of your grain or feed quality assurance strategy.

### BENEFITS

**Fast Screening** - Results in 5 minutes

**Simple** - No special training required

**Sensitive** - Limit of detection as low as 10 ppb

**Convenient** - Easily performed onsite or in the laboratory

**Durable** - Long shelf life

**Accurate** - Real-time data which can be printed or transferred to a spreadsheet

**Wide Range** - 10-800 ppb

### HERE'S HOW SIMPLE VICAM TESTS ARE TO USE:

#### PREPARE SAMPLE:

- Weigh Sample
- Add AQUA Solution, mix
- Filter
- Transfer to T2/HT2-V Test Strip
- Incubate the Test Strip for 5 Minutes
- Insert the T2/HT2-V Test Strip into the Vertu TOUCH Reader
- Read Result
- Optional: Print or Share/Transfer Result

T2/HT2-V™ AQUA™  
QUANTITATIVE STRIP TESTS



## ORDERING INFORMATION

Cat. No.	Description	Sample Type
176004977A	T2/HT2-V AQUA VT Kit (25 Tests)	corn
176004977B	T2/HT2-V AQUA VT Kit (25 Tests)	wheat

### Kit Contents

Cat. No.	Description*	Sample Type
100000569A	T2/HT2-V Strips w/Barcode (25/Pk)	corn
100000569B	T2/HT2-V Strips w/Barcode (25/Pk)	wheat
600001109	Micro-pipette tips (100 µL)	
600001716	V-Cup w/Filter, (25/Pk)	
715007437	T2/HT2-V AQUA VT Procedure Poster	

### Required but not included

Cat. No.	Description
100000339	AQUA premix solution (900 mL)
100000345	AQUA premix solution (4 L)
100000347	AQUA premix solution (20 L)

### Vertu TOUCH Basic Equipment Packages

Cat. No.	Description
176004970	Vertu TOUCH Basic Equipment Package, 110V/220V
176005142	Vertu TOUCH Basic Equipment Pkg, w/out Printer, 110V/220V

### Equipment Package Contents

Cat. No.	Description
725000678	Vertu TOUCH Reader
725000685	Vertu Sensor Dongle
600001928	Vertu PREP Mixer Base, 110/220V
176005007	Vertu PREP Mixer w/5 Tubes, 110/220V
600001926	Vertu TOUCH Dymo Printer, 110/220V
G4036	Digital Timer
600001108	Micro-Pipettor, 100 µL

### Supplies/Consumables

#### (included with Equipment Package)

Cat. No.	Description
600001724	Digital Pocket Balance
715007522	Vertu TOUCH Reader Quick Start Guide
600001933	Vertu TOUCH Reader Protective Case
600001929	Vertu PREP Extraction Tubes
600001109	Micro-Pipette Tips, 100 µL
600001939	Vertu TOUCH Printer Label/Paper, 1 Roll
600001107	Strip Test Vial Rack
600000937	Graduated Cylinder, 25 mL

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 T2/HT2-V and T2/HT2-V AQUA products. These methods have been validated in the VICAM laboratories to perform to the specifications indicated in the T2/HT2-V and T2/HT2-V procedures. The user assumes all risk in using T2/HT2-V and T2/HT2-V AQUA procedures and products. VICAM makes no warranty of any kind, expressed or implied, other than that T2/HT2-V and T2/HT2-V AQUA 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 T2/HT2-V and T2/HT2-V AQUA products.

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