



Precise, Quantitative and Fast Detection of T-2 and HT-2

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 2,000ppb 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 15ppb 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 digital screen 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.

HERE'S HOW SIMPLE VICAM TESTS ARE TO USE:

PREPARE SAMPLE:

- Weigh Sample
- Add AQUA Solution
- Vortex and 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 Reader
- Read Result on Digital Screen
- Optional: Print Result

BENEFITS

Fast Screening – Results in 5 minutes

Simple – No special training required

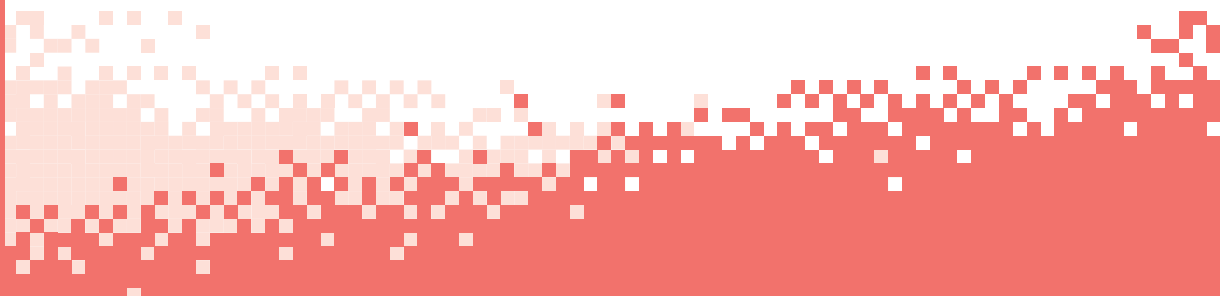
Sensitive – Limit of detection as low as 10 ppb

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



ORDERING INFORMATION

Cat. No.	Description
176004555	T2/HT2-V AQUA Kit (25 Tests)

Vertu Basic Equipment Package

Cat. No.	Description*
176002068	Vertu Mycotoxin BEQ, 110V
176002073	Vertu Mycotoxin BEQ, 220V
176002078	Vertu Mycotoxin BEQ w/Printer, 110V
176002079	Vertu Mycotoxin BEQ w/Printer, 220V

T2/HT2-V AQUA Kit Contents

100000569	T2/HT2-V Strip Test Pack (25 Tests)
600001106	Strip Test Filters (25)
600001109	Micro-Pipette Tips, 100 µL
600000827	Extraction Tubes, 40 mL
715006693	T2/HT2-V Barcode Postcard
715006694	T2/HT2-V Aqua Instruction Guide

EXTRACTION SOLUTION

100000339	AQUA Premix Solution (900 mL)
100000345	AQUA Premix Solution (3.6 L)
100000347	AQUA Premix Solution (18 L)

* Included with the Vertu Mycotoxin BEQ: Vertu Reader w/Barcode Scanner, Filter funnel, 65mm (10); Graduated Cylinders, 25 mL and 50 mL; Micro-Pipettor, 100µL; Strip Test Vial Rack (1); Digital Timer; Micro-Pipette Tips, 100µL (25); Strip Test Filter (25); Extraction Tubes, 40 mL (25); Vortex Mixer, 100V or 220V; Vortex Sample Holder; Vertu Instruction Manual; Optional: Printer offered with order # 176002078 and order # 176002079.

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