



Precise, Quantitative and Fast Results

VICAM's DON-V™ test strips answer one of today's toughest food safety challenges with a new user-friendly lateralflow DON test that delivers accurate quantitative results in a matter of minutes. DON is a toxic byproduct of several Fusarium mold species that commonly infect wheat, corn, barley, and other grains. Nicknamed vomitoxin for its severe effects on the gastrointestinal system, DON may also cause reduced feed intake, poor weight gain, and immunosuppression in susceptible livestock species, even at low concentrations (1 to 3 ppm). Concerns about acute DON toxicity, as well as the risks of chronic exposure, in animals and humans continue to fuel surveillance of grain crops worldwide.

DON is often present with other mycotoxins and has been isolated from grains and feeds throughout the world at levels as high as 92 ppm. Today, many customers require DON levels to be less than 2.0 ppm for animal feed and 1.0 ppm for commodities destined for human consumption.

The United States FDA has instituted advisory levels of 1 ppm for wheat products for human consumption, 5 ppm for grain products for most animal feeds and 10 ppm for grain products for cattle feed. The European Community has regulations for DON levels that range from less than 0.2 ppm in processed cereal-based foods for infants and young children to less than 1.75 ppm for unprocessed wheat. In Asia, regulations for DON range from 0.2 to 4 ppm.

DON-V test strips utilize the proven sensitivity and selectivity of VICAM's monoclonal antibodies to accurately detect and measure total DON in grain and feed at levels as low as 0.25 ppm. The single-dilution sample preparation procedure saves time and materials, and the test takes less than 5 minutes* to complete. Digital readings are clearly displayed on the screen of the Vertu™ TOUCH Reader, eliminating any guesswork about the results.

HERE'S HOW SIMPLE VICAM TESTS ARE TO USE:

- Weigh Sample
- Extract with AQUA Solution
- Filter
- Transfer to the DON-V test strip
- Develop the test strip for 5 minutes
- Insert the DON-V test strip into the Vertu TOUCH reader
- Read results

BENEFITS

Fast screening - Results in less than 5 minutes*

Simple - No special training required

Sensitive - Limits of detection as low as 0.25 ppm

Convenient - Easily performed onsite or in the lab

Durable - Long shelf life

Accurate - Real-time data which can be printed or downloaded to a computer

Wide Range - 0 to 16 ppm**



* after extraction

** with dilution

ORDERING INFORMATION

Cat. No.	Description	Sample Type
176004973A	DON-V AQUA VT Kit (25 Tests)	corn
176004973B	DON-V AQUA VT Kit (25 Tests)	wheat
176004973D	DON-V AQUA VT Kit (25 Tests)	barley

Kit Contents

Cat. No.	Description	Sample Type
10000246A	DON-V Strips w/Barcode (25/Pk) AQUA	corn
10000246B	DON-V Strips w/Barcode (25/Pk) AQUA	wheat
10000246D	DON-V Strips w/Barcode (25/Pk) AQUA	barley
600001109	Micro-pipette tips (100 µL)	
600001716	V-Cup w/Filter, (25/Pk)	
715007433	DON-V AQUA VT Corn 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 DON-V and DON-V AQUA products. These methods have been validated in the VICAM laboratories to perform to the specifications indicated in the DON-V, DON-V ONE and DON-V AQUA procedures. The user assumes all risk in using DON-V, DON-V ONE and DON-V AQUA procedures and products. VICAM makes no warranty of any kind, expressed or implied, other than that DON-V, DON-V ONE and DON-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 DON-V and DON-V AQUA products.

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