



## Precise, Quantitative and Fast Results

VICAM's DON-V™ strip tests 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 0.20 ppm. The single-dilution sample preparation procedure saves time and materials, and the test takes less than 4 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 Water
- Filter
- Mix sample extract with Diluent
- Transfer to the DON-V test strip
- Develop the test strip for 3 minutes
- Insert the DON-V test strip into the Vertu TOUCH reader
- Read results

### BENEFITS

**Fast screening** - Results in less than 4 minutes\*

**Simple** - No special training required

**Sensitive** - Limits of detection as low as 0.20 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 10 ppm\*\*



\* after extraction

\*\* with dilution

## ORDERING INFORMATION

Cat. No.	Description
176005187C	DON-V VT/Room Temperature Kit (25 Tests)

### Vertu TOUCH Basic Equipment Packages

Cat. No.	Description
176004970	Vertu TOUCH Basic Equipment Package, 110/220V

### Vertu PREP Mixer

Cat. No.	Description
600001928	Vertu PREP Mixer base, 110/220V
600001929	Vertu PREP Reusable Extraction Tubes (5/Pk)

### Vertu Consumables and Supplies

Cat. No.	Description
600001968	Graduated Cylinder, 50 mL
600001108	Micro-Pipettor, 100 µL
600001109	Micro-Pipette Tips, 100 µL (25/pk)
600001993	Micro-Pipettor, 100-1,000 µL
600001570	Micro-Pipette Tips, 1 mL (25/Pk)
600000813	Strip Test Vials (25/pk)
600001107	Strip Test Vial Rack
600001716	V-Filter w/Cup (25/Pk)
715008262	DON-V Water Extraction/Room Temp Procedure Poster

\*Included with DON-V Kit: DON-V Strips (25); DON-V Diluent; Strip Test Filters (25); Strip Test Vials (25); Micropipette Tips, 100µL (50); Extraction Tubes, 40mL (50); DON-V Barcode Set; DON-V Instruction Guide

\*\*Included with Vertu Mycotoxin BEQ: Vertu Reader w/Barcode Scanner, Filter funnel, 65mm (10); Graduated Cylinder, 25mL; Micropipettor, 100µL; Strip Test Vial Rack (1); Digital Timer; Micropipette Tips, 100µL (25); Strip Test Filter (25); Extraction Tubes, 40mL (25); Vortex Mixer, 100V or 220V; Vertu Instruction Manual; Optional: Printer offered with Order #176002078 and Order #176002079.

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

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