



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 lateral-flow 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 5 minutes* to complete. Digital readings are clearly displayed on the screen of the Vertu™ Lateral Flow Reader, eliminating any guesswork about the results.

Cultivating Success Through Science™:

- Weigh Sample
- Extract with Water
- Vortex
- Transfer sample extract to the DilutionTube
- Mix with Diluent
- Transfer to the DON-V strip test
- Develop the strip test for at least 4 minutes
- Insert the DON-V strip test into the Vertu reader
- Read results

BENEFITS

Fast screening – Results in less than 5 minutes*

Simple – No special training required

Sensitive – Limits of detection as low as 0.20 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 5 ppm

* after extraction



ORDERING INFORMATION

Cat. No.	Description
176002072	DON-V Kit (25 Tests)*

Vertu Basic Equipment Package**

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

Vertu Consumables and Supplies

Cat. No.	Description
600000937	Graduated Cylinder, 25 mL
36020	Filter Funnel, 65 mm (10/pk)
600001106	Strip Test Filter (25/pk)
600000827	Extraction Tubes, 40 mL (25/pk)
600001108	Micro-Pipettor, 100 µL
600001109	Micro-Pipette Tips, 100 µL (25/pk)
600001107	Strip Test Vial Rack, (1 ea)
600000813	Strip Test Vial (25/pk)

*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.

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