



DONtest™ WB Affinity Column

Precise Numerical Results

Deoxynivalenol (DON) is also known as vomitoxin because of its impact on livestock through interference with animal growth and acceptance of feed. 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. DON has been implicated in moldy corn toxicosis of swine and may play a role in the human disease alimentary toxic aleukia. Because of concerns about DON, many customers require levels of 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.

Using monoclonal antibody-based affinity chromatography, *DONtest™WB* is a new HPLC-only test for the detection of DON using wide bore immunoaffinity columns. With a total volume of 3 mL, compared to the total of 1 mL in VICAM's regular columns, *DONtest WB* allows for a faster flow rate preferred by many laboratories and is the ideal cleanup step for any HPLC.

DONtest WB is one of many wide bore columns available from VICAM. Through the development of this fast-flow WB product line, VICAM demonstrates a commitment to improving mycotoxin testing and responding to our customers needs.

Benefits:

Exclusive – Specifically for HPLC use

Durable – Long shelf life

Versatile – For use with a variety of samples

Quick – 10 minutes to isolate toxin*

Wide Range – Detects levels as low as 0.04 ppm and as high as 5 ppm

Fast Flow – Faster results than narrow bore test

*excludes preparation and extraction

Here's How Simple DONtest WB is to Use:

Extract Sample

- Grind and weigh sample
- Add water and shake
- Filter

Absorb and Elute

- Pass filtrate over *DONtest WB* affinity column
- Wash column
- Elute DON and collect in a cuvette
- Dry eluate and reconstitute

Measure

- Inject eluate into HPLC
- Determine DON concentration



Ordering Information

Cat. No.	Description
G1065	DONtest™WB Columns (25 per box)
G1066	DONtest WB Columns (50 per box)
G1130	Acetonitrile (4 x 4 L)
G4033	Micro-pipettor, 1 mL
20100	Digital Scale with AC Adapter
20250	Graduated Cylinder, 250 mL
20501	500 mL Bottle Dispenser for Methanol (0-3 mL range)
20656	Micro-pipette Tips for 1 mL Micro-pipettor (100)
20700	Wash Bottle, 500 mL
21010	Cuvette Rack
21020	Single Position Pump Stand†
23040	Vortex Mixer

Cat. No.	Description
31240	VICAM Fluted Filter Paper, 24 cm (100)
31955	Microfiber Filters, 1.5 µm, 11 cm (100)
31967	Kim Wipes
34000	Disposable Cuvettes (250 per pack)
35016	Methanol, HPLC Grade (4 x 4 L)
36010	Disposable Plastic Beakers (25 per pack)
36020	Filter Funnel, 65 mm (10 per pack)
36022	Filter Funnel, 105 mm (4 per pack)

Also required; must be sourced locally:

Mechanical Shaker
 Purified Water
 Speedvac or Equivalent Evaporator

†Multiple position pump stands available

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 DONtest™WB products. These analytical methods have been validated in the VICAM laboratories to perform to the specifications indicated in the DONtest WB procedures.

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