



## 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 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. 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.

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.

### HERE'S HOW SIMPLE VICAM TESTS ARE TO USE:

#### EXTRACT SAMPLE

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

#### ABSORB AND ELUTE

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

#### MEASURE

- Inject eluate into HPLC or UPLC
- Determine DON concentration



#### BENEFITS

**Exclusive** – Specifically for HPLC and UPLC® use

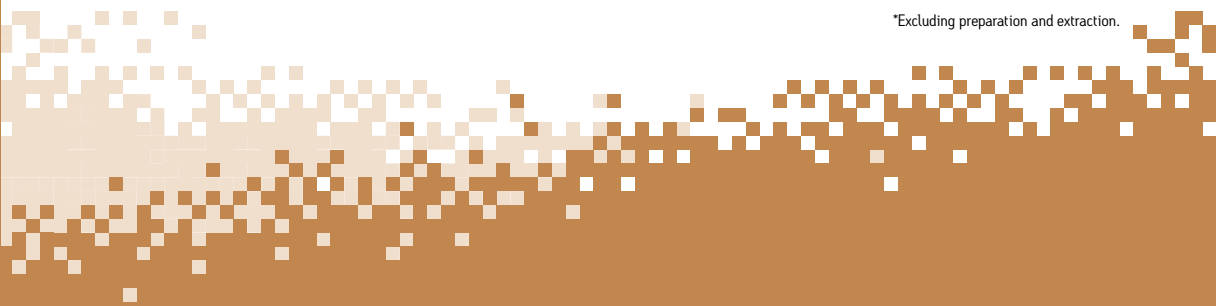
**Versatile** – For use with a variety of samples

**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

\*Excluding preparation and extraction.



## ORDERING INFORMATION

| Cat. No.  | Description   | Cat. No. | Description                              |
|-----------|---|----------|--|
| G1065     | DONtest WB Columns (25 per box)                     | 31240    | VICAM Fluted Filter Paper, 24 cm (100)   |
| 176002725 | DONtest WB HPLC Kit (50 columns + 1 Standard)       | 31955    | Microfiber Filters, 1.5 µm, 11 cm (100)  |
| 100000186 | DONtest WB HPLC Kit (100 columns + 1 Standard)      | 31967    | Kim Wipes                                |
| G4033     | Micro-pipettor, 1 mL                                | 34000    | Disposable Cuvettes (250 per pack)       |
| 20100     | Digital Scale with AC Adapter                       | 35016    | Methanol, HPLC Grade (4 x 4 L)           |
| 20250     | Graduated Cylinder, 250 mL                          | 36010    | Disposable Plastic Beakers (25 per pack) |
| 20501     | 500 mL Bottle Dispenser for Methanol (0-3 mL range) | 36020    | Filter Funnel, 65 mm (10 per pack)       |
| 20656     | Micro-pipette Tips for 1 mL Micro-pipettor (100)    | 36022    | Filter Funnel, 105 mm (4 per pack)       |
| 20700     | Wash Bottle, 500 mL                                 |          |  |
| 21010     | Cuvette Rack  |          |  |
| 21020     | Single Position Pump Stand†                         |          |  |
| 23040     | Vortex Mixer  |          |  |
| G1118     | WB Column Coupling (6)                              |          |  |

**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. The user assumes all risk in using DONtest WB analytical procedures and products. VICAM makes no warranty of any kind, expressed or implied, other than that DONtest WB 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 DONtest WB products.

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