

# Veratox<sup>®</sup> HS for DON

DOWNLOAD AND READ KIT INSTRUCTIONS COMPLETELY BEFORE PERFORMING TEST.



## Materials Provided:

- 48 antibody-coated wells
- 48 red-marked mixing wells
- 05 yellow-labeled bottles of 0, 25, 50, 100, and 250 ppb DON controls
- 01 blue-labeled bottle of DON-HRP conjugate solution
- 01 green-labeled bottle of K-Blue<sup>®</sup> Substrate solution
- 01 red-labeled bottle of Red Stop Solution

## Product Number: 8332

Threshold: 25–250 ppb

Testing time: 20 minutes

**Sample extraction:** Please follow the kit insert instructions for sample preparation and extraction before running the test procedure.

Kits must be warmed to room temperature 18–30°C (64–86°F) before use.

Call 800.234.5333 to order or visit [NEOGEN.com](http://NEOGEN.com)

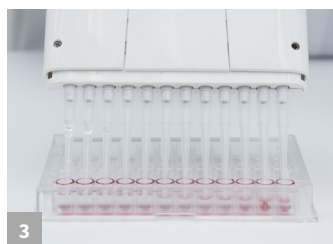
## Test Procedure



1 Remove 1 red mixing well for each sample plus 5 for controls. Remove equal number of clear antibody wells and place in well holder. Add 100  $\mu$ L of conjugate to each red-marked mixing well.



2 Add 100  $\mu$ L of controls and extracted samples to the red-marked mixing well. Make sure the controls are in the correct order per the kit instructions.



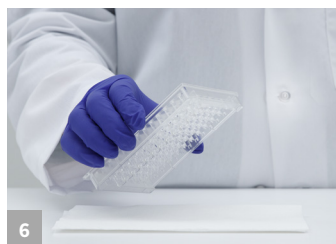
3 Mix well, then transfer (using the 12-channel pipette) 100  $\mu$ L to the clear antibody wells. Incubate at room temperature for 10 minutes, sliding the microwell holder back and forth gently for the first 20 seconds.



4 Shake out the contents of the antibody wells.



5 Wash wells thoroughly with deionized water. Repeat wash step 5 times.



6 Tap out the water on an absorbent paper towel.



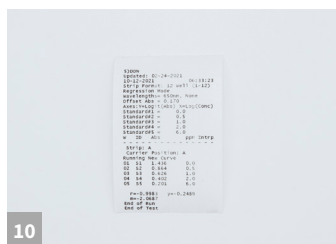
7 Transfer (using the 12-channel pipettor) 100  $\mu$ L of substrate from the reagent boat to the antibody wells. Incubate at room temperature for 10 minutes, sliding microwell holder back and forth gently for the first 20 seconds.



8 Transfer (using the 12-channel pipettor) 100  $\mu$ L of Red Stop Solution from reagent boat into the antibody wells and mix by sliding back and forth on a flat surface.



9 Wipe the bottom of the microwells with a dry cloth and read using a microwell reader with a 650 nm filter.



10 The result should read with a coefficient above 0.980 to be considered valid. Sample results above 250 ppb must be diluted and retested. Sample results below the limit of quantification must be reported as < 25 ppb.



# Veratox<sup>®</sup> HS for DON

Aqueous Extraction  
Product Number: 8332

## Ordering Information

8332 Veratox HS for DON

9303 NEOGEN<sup>®</sup> Statfax  
4700 reader



## Materials Recommended, Not Provided

| NEOGEN #         | Item Description   |
|------------------|--|
| 9368             | 250 mL graduated cylinder  |
| 9428             | Container with 125 mL capacity   |
| 9420, 9430       | NEOGEN filter syringes, Whatman #1 filter paper or equivalent            |
| 9421             | Sample collection tubes  |
| 9401             | Agri-grind grinder or equivalent   |
| 9427             | Scale capable of weighing 5–50 g   |
| 9273             | Pipettor 12-channel  |
| 9272, 9290       | Pipettor 100 $\mu$ L   |
| 9410, 9407, 9417 | Pipette tips for 100 $\mu$ L and 12-channel pipettors                    |
| 9402             | Microwell holder   |
| 9426             | Timer  |
| 9400             | Wash bottle  |
| 9450             | 2 reagent boats for 12-channel pipettor                                  |
| –                | Distilled or deionized water   |
| 9303             | NEOGEN Statfax reader or equivalent microplate reader with 650 nm filter |

Deoxynivalenol (DON) is commonly produced by the pink mold *Fusarium graminearum*. DON typically affects cereal commodities such as wheat, corn, barley, and ensilages. Toxicological effects attributed to DON — include nausea (vomiting), feed refusal, gastroenteritis, diarrhea, immunosuppression, and blood disorders. Additionally, DON can cause problems in processed food, including off flavor in ready to eat cereals and adverse effects in dough quality.

The best protection against DON and other mycotoxins is monitoring for their presence in feed and food by testing along the pathway from initial harvest of grains to finished product.

## Test with Confidence

Veratox<sup>®</sup> HS for DON is a quantitative ELISA microwell assay — perfect for those with laboratory setups from food manufacturers to commercial laboratories. The assay requires a 650 nm filter microwell assay reader.

- Fast, accurate, and easy to use
- Cost-effective microwell format for batch testing
- Quantitative results for lower levels of DON (25–250 ppb)

