Veratox® HS for Ochratoxin

DOWNLOAD AND READ KIT INSTRUCTIONS COMPLETELY BEFORE PERFORMING TEST.

Materials Provided:
48 antibody-coated wells
48 red-marked mixing wells
48 green-marked sample dilution mixing wells
05 yellow-labeled bottles of 0, 1, 3, 7.5, and 15 ppb ochratoxin controls
01 blue-labeled bottle of ochratoxin HRP conjugate solution
01 white-labeled bottle of corn diluent solution (for corn samples only)
01 green-labeled bottle of K-Blue® Substrate solution
01 red-labeled bottle of Red Stop Solution

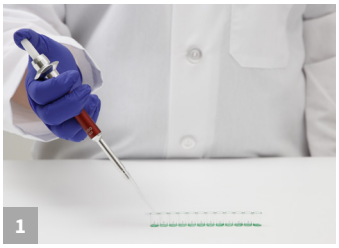
Product Number: 8632
Threshold: 2–10 ppb
Testing time: 20 minutes

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

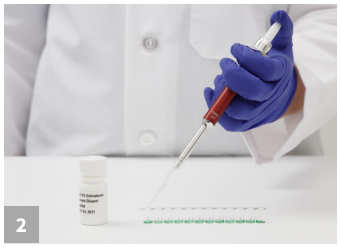
Kits must be warmed to room temperature 18–30°C (64–86°F) before use.

Call 800.234.5333 to order or visit NEOGEN.com

Test Procedure



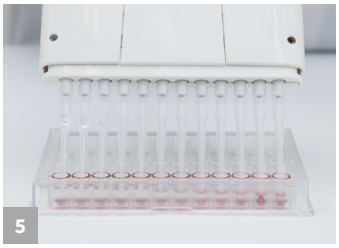
Wheat samples: Add 100 µL of distilled or deionized water to each green-marked sample mixing well. Add 100 µL extracted sample to the green-marked sample mixing well. Mix by pipetting up and down 5 times.



Corn samples: Add 100 µL of corn sample diluent to each green-marked sample mixing well. Add 100 µL extracted sample to the green-marked sample mixing well. Mix by pipetting up and down 5 times.

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 µL of conjugate to each red-marked mixing well.

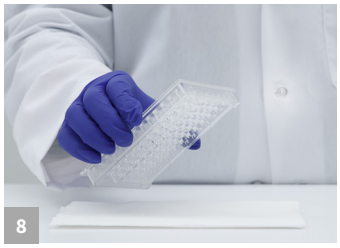
Add 100 µL of controls and extracted samples from the green-marked mixing well. Make sure the controls are in the correct order per the kit instructions.



Mix well, then transfer (using the 12-channel pipette) 100 µL to the clear antibody wells. Incubate at room temperature for 15 minutes, sliding the microwell holder back and forth gently for the first 30 seconds.

Shake out the contents of the antibody wells.

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



Tap out the water on an absorbent paper towel.

Transfer (using the 12-channel pipettor) 100 µL of substrate from the reagent boat to the antibody wells. Incubate at room temperature for 15 minutes, sliding microwell holder back and forth gently for the first 30 seconds.

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

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

The result should read with a coefficient above 0.980 to be considered valid. Sample results above 10 ppb must be diluted and retested. Sample results below the limit of quantification must be reported as < 2 ppb.

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Veratox® HS for Ochratoxin

Methanol Extraction

Product Number: 8632

Ordering Information

8632 Veratox HS for Ochratoxin

9303 NEOGEN® Statfax 4700 reader

Materials Recommended, Not Provided

NEOGEN #	Item Description
8055, 8056	70% ACS-grade methanol
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 µL
9410, 9407, 9417	Pipette tips for 100 µL 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

Ochratoxin is commonly produced by the molds *Aspergillus ochraceus* and *Penicillium viridactum*. Ochratoxin commonly can be found in corn, barley, green coffee, and various dried fruits. Toxicological effects of ochratoxin affect the productivity of livestock — including slower growth, decreased feed conversion, and depressed egg production. Additionally, ochratoxin can also affect kidney health.

The best protection against ochratoxin 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® HS for Ochratoxin 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 mycotoxins

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