Veratox® for T-2/HT-2

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 T-2 controls
01 blue-labeled bottle of HT-2 toxin HRP conjugate solution
01 green-labeled bottle of K-Blue® Substrate solution
01 red-labeled bottle of Red Stop Solution

Product Number: 8230
Threshold: 25–250 ppb
Testing time: 10 minutes

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

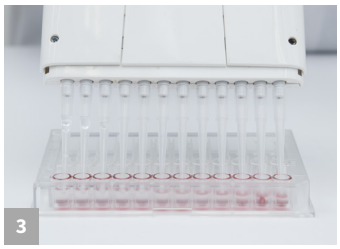
Kits must be warmed to room temperature 18–30°C (64–86°F) before use.

Call 800.234.5333 to order or visit NEOGEN.com

Test Procedure

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 to the red-marked mixing well. Make sure the controls are in the correct order per the kit instructions.

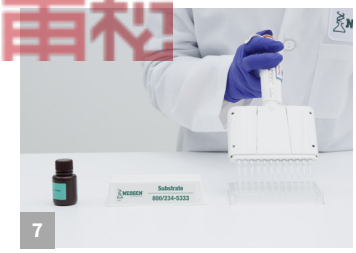


Mix well, then transfer (using the 12-channel pipette) 100 µL to the clear antibody wells. Incubate at room temperature for 5 minutes, sliding the microwell holder back and forth gently for the first 20 seconds.

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 5 minutes, sliding microwell holder back and forth gently for the first 20 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 250 ppb must be diluted and retested. Sample results below the limit of quantification must be reported as < 25 ppb.

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Veratox® for T-2/HT-2

Methanol Extraction

Product Number: 8230

Ordering Information

8230 Veratox for T-2/HT-2

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

T-2/HT-2 are trichothecene mycotoxins produced by several species of *Fusarium* molds. These toxins have been found to cause digestive disorders, hemorrhaging, edema, oral lesions, dermatitis, and blood disorders in a variety of animals. Additionally, the T-2 toxin has been found to cause alimentary toxin aleukia in humans.

The best protection against T-2/HT-2 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® for T-2/HT-2 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.

- Detection of T-2 and HT-2
- Cost-effective microwell format for batch testing
- For use with a wide range of commodities

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