

Veratox[®] MAX for Total Aflatoxin

DOWNLOAD AND READ KIT INSTRUCTIONS COMPLETELY BEFORE PERFORMING TEST.



Materials Provided:

48 antibody-coated wells
48 red-marked mixing wells
04 yellow-labeled bottles of 0, 5, 15, and 50 ppb aflatoxin controls
01 blue-labeled bottle of aflatoxin HRP conjugate solution
01 green-labeled bottle of K-Blue[®] Substrate solution
01 red-labeled bottle of Red Stop Solution
25 MAX 2 extraction packets
01 pink-labeled bottle of dilution diluent

Product Number: 8035

Threshold: 5–50 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



1
Weigh out 10 g sample and add 1 MAX 2 packet. Add 50 mL distilled or deionized water.



2
Shake for 3 minutes. Allow to settle.



3
Filter using syringe.



4
Remove 1 red mixing well for each sample plus 4 for controls. Remove equal number of clear antibody wells and place in well holder. Add 100 μ L of conjugate to each red-marked mixing well.



5
Add 100 μ 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.



6
Mix well, then transfer (using the 12-channel pipette) 100 μ L to the clear antibody wells. Incubate at room temperature for 2 minutes, sliding the microwell holder back and forth gently for the first 30 seconds.



7
Shake out the contents of the antibody wells.



8
Wash wells thoroughly with deionized water. Repeat wash step 5 times. Tap out the water on an absorbent paper towel.



9
Transfer (using the 12-channel pipettor) 100 μ L of substrate from the reagent boat to the antibody wells. Incubate at room temperature for 3 minutes, sliding microwell holder back and forth gently for the first 30 seconds.



10
Transfer (using the 12-channel pipettor) 100 μ L of Red Stop Solution from reagent boat into the antibody wells.



11
Wipe the bottom of the microwells with a dry cloth and read using a microwell reader with a 650 nm filter.



12
The result should read with a coefficient above 0.980 to be considered valid. Sample results above 50 ppb must be diluted and retested. Sample results below the limit of quantification must be reported as < 5 ppb.

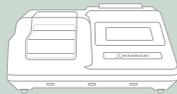


Veratox[®] MAX for Total Aflatoxin

Aqueous Extraction
Product Number: 8035

Ordering Information

- 8035 Veratox MAX for Total Aflatoxin
- 8036 MAX 2 extraction packets
- 9303 NEOGEN[®] 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 μ L
9410, 9407, 9417	Pipette tips for 100 μ 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

Aflatoxin is a toxic and carcinogenic substance produced by certain strains of the molds *Aspergillus flavus* and *A. parasiticus*. Aflatoxin contamination can pose a serious health threat to humans and livestock — it's been shown to cause liver damage, cancer, decreased milk and egg production, immune suppression, and interference with reproductive efficiency.

The best protection against aflatoxin 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[®] MAX for Total Aflatoxin 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
- Simple, aqueous extraction

