

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

SKU: 700002483 | 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](https://www.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.



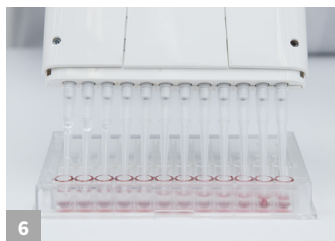
3 Filter using syringe.



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 µL of conjugate to each red-marked mixing well.



5 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.



6 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 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.



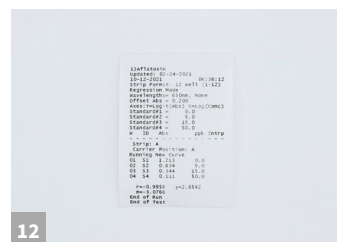
9 Transfer (using the 12-channel pipettor) 100 µL of substrate from the reagent boat to the antibody wells. Incubate at room temperature for 5 minutes, sliding microwell holder back and forth gently for the first 30 seconds.



10 Transfer (using the 12-channel pipettor) 100 µL 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.



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Ordering Information

SKU: 700002483 | Product Number: 8035
Veratox MAX for Total Aflatoxin

SKU: 400000506 | Product Number: 8036
MAX 2 extraction packets

SKU: 700003947 | Product Number: 9303
Neogen® Statfax 4700 reader

Materials Recommended, Not Provided

SKU & Product #	Item Description
700006494 9368	250 mL graduated cylinder
700004011 9428	Container with 125 mL capacity
700002724 9420	Neogen filter syringes (100)
100001362 9430	Whatman #1 filter paper or equivalent
700002726 9421	Sample collection tubes (100)
100001350 9401	AgriGrind grinder or equivalent
700004010 9427	Scale capable of weighing 5–50 g
700006487 9273	Pipettor, 12 channel
100001330 9272	Pipettor, 100 µL, fixed
100001352 9407	Pipette tips rack, 1–200 µL (96 tips)
100001353 9410	Pipette tips, 1–200 µL (bag of 1000)
700004009 9417	Pipette tip reload deck, 1–200 µL (10 decks, 96 tips each)
100001351 9402	Microwell holder
100001358 9426	Timer
700006491 9400	Wash bottle
700002732 9450	2 reagent boats for 12-channel pipettor
-	Distilled or deionized water
700003947 9303	Neogen Statfax reader or equivalent microplate reader with 650 nm filter

Veratox MAX for Total Aflatoxin

Aqueous Extraction

SKU: 700002483 | Product Number: 8035

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

