

Natural Toxins

Veratox®

For Ochratoxin



Intended Use

Veratox for Ochratoxin is used for the quantitative analysis of ochratoxin in such commodities as corn, barley, green coffee and various dried fruits.

The Test

The test is a competitive direct ELISA that provides exact concentrations in parts per billion (ppb). Free ochratoxin in the sample and controls competes with the enzyme-labeled toxin (conjugate) for the antibody binding sites. After a wash step, substrate reacts with the bound enzyme conjugate to produce blue color. A microwell reader is used to yield optical densities. Control optical densities are used to form a standard curve and sample optical densities are plotted against the curve to calculate the exact concentration of ochratoxin.

The Procedure

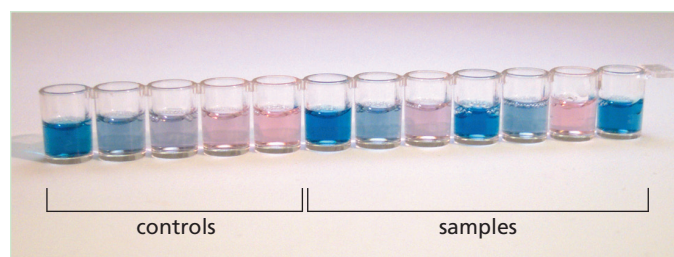
Samples must be extracted prior to testing.

1. Add 100 μ L conjugate to each mixing well.
2. Add 100 μ L controls and samples to mixing wells.
3. Mix. Transfer 100 μ L to antibody wells. Incubate for 10 minutes.
4. Dump liquid from antibody wells.
5. Wash thoroughly with deionized water.
6. Tap out water on paper towel.
7. Transfer 100 μ L substrate from reagent boat to antibody wells using 12-channel pipettor. Incubate for 10 minutes.
8. Transfer 100 μ L Red Stop from reagent boat to antibody wells.
9. Read results using a microwell reader with a 650 nm filter.

See package insert for complete instructions

Product Specifications

Results



Lower limit of detection:	1 ppb
Range of quantitation:	2 ppb - 25 ppb
Controls provided:	0, 2, 5, 10, 25 ppb
Testing time:	20 minutes
Antibody cross-reactivity:	Ochratoxin A 100%, Ochratoxin B 18%
Tests per kit:	Up to 38

Materials Recommended But Not Provided

Available from Neogen*

1. Graduated cylinder
2. Sample collection cup or container with 125 mL capacity
3. Neogen filter syringe, Whatman #1 filter paper, or equivalent
4. Sample collection tubes
5. Agri-Grind grinder, or equivalent
6. Scale capable of weighing 5-25 grams
7. Microwell reader with a 650 nm filter
8. 100 μ L pipettor
9. 12-channel pipettor
10. Tips for 100 μ L and 12-channel pipettor
11. Microwell holder
12. Timer
13. Wash bottle
14. 2 reagent boats for use with 12-channel pipettor

Not Available from Neogen

1. 50% ACS Grade methanol
2. Paper towels or equivalent absorbent material
3. Plastic ½ gallon bucket for use as waste receptacle
4. Distilled or deionized water
5. Waterproof marker

Ordering Information

Prod.#	Product description
8610	Veratox for Ochratoxin
8052	Mycotoxin Extraction Kit