**Aflatoxin**

Aflatoxin is considered by many to be the most potent, naturally-occurring carcinogen. The toxin is a by-product of mold growth in a wide range of commodities, including corn.

The best protection against mycotoxins is monitoring for their presence in feeds and foods. That means testing all along the pathway from initial harvest of grains to the finished product.

**Neogen has the solution**

Veratox® HS for Total Aflatoxin is the first high sensitivity microwell test available utilizing an aqueous extraction. This simple procedure eliminates the need for harsh solvents in your lab.

This simple and sensitive microwell test is designed to detect the four principle types of aflatoxin: B₁, B₂, G₁, and G₂ with superior cross-reactivity when compared to other available kits.

**Product Specifications**

- **Format:** Competitive direct ELISA
- **Extraction:** Aqueous
- **Controls provided:** 0, 1, 3, 5 and 10 ppb aflatoxin
- **Limit of detection:** 0.8 ppb
- **Range of quantitation:** 1–10 ppb
- **Test time:** 30 minutes

**Ordering Information**

- 8032 Veratox HS for Total Aflatoxin
- 8036 MAX 2 extraction packets
- 8052 Mycotoxin extraction kit
Veratox® HS for Total Aflatoxin Procedure

Note: Please read kit instructions completely before performing test.

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

2. Shake for 3 minutes. Allow to settle.

3. Filter using syringe.

4. Add 100 µL conjugate to each red marked mixing well.

5. Add 100 µL controls and samples to their respective wells.

6. Mix. Transfer 100 µL to antibody wells. Incubate at room temperature for 15 minutes, sliding microwell holder back and forth gently for first 30 seconds.

7. Dump liquid from antibody wells.

8. Wash wells thoroughly with deionized water. Repeat wash step five times.

9. Tap out water on absorbent paper towel.

10. Transfer 100 µL substrate from the reagent boat to the antibody wells. Incubate at room temperature for 15 minutes, sliding microwell holder back and forth gently for first 30 seconds.

11. Transfer 100 µL Red Stop from reagent boat to antibody wells.

12. Read results using a microwell reader with a 650 nm filter. Results should be read within 20 minutes of adding Red Stop.