



# Aflatoxin B1 Screen Test (DTS438)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

**Size** 1 Kit, 5 Kits, 50 Kits

**General Description** Aflatoxins (AF) are extremely toxic secondary metabolic products mainly produced by *Aspergillus flavus* and *A. parasiticus*. Nearly 18 different types of AF (e.g. B2, G1, G2, M1) have been identified; however, aflatoxin B1 (AFB1), which is generally present in the largest quantities, is the most toxic form and is regarded as a Class 1 human carcinogen by the International Agency for Research on Cancer. Due to widespread presence of aflatoxins in food and extreme toxicity, many detection methods have been developed. However, immunological analysis is still the most common rapid method for screening a large number of samples, due to its low-cost and high throughput. CD developed LFIA experiments to detect AFB1 in wheat with a high sensitivity.

**Storage** 2-8°C in dark, sealed, dry place, no frozen.

**Detection Range** 0.04-1.05 µg/kg

**Detection Limit** 0.25 µg/kg

**Specificity**

- Aflatoxin B1 100%
- Aflatoxin B2 24.2%
- Aflatoxin G1 < 10%
- Aflatoxin G2 < 10%
- Aflatoxin M1 < 10%

**Recovery** 85.0-95.0%