

FLOW-THROUGH RAPID TEST KIT FOR AFLATOXIN B₁ (5127AFB01)

- Screening of Aflatoxin B₁ in food and feed
- A precise, and highly sensitive assay
- Simple sample preparation
- Results within 10 minutes

Screening of Aflatoxin B₁ in Food and Feed

The aflatoxins are a group of structurally related extremely toxic compounds produced by some *Aspergillus* species. Aflatoxins cause cancer, mainly of the liver but also of the gut, lungs and breasts in human. In order to test for AFB₁ analytical methods such as HPLC, GC-MS, LC-MS, ELISA and TLC require trained personnel, laboratory environment, expensive equipment and analytical time takes hours or days. The Flow-Through Rapid Test kit offers rapidity and flexibility for screening AFB₁ under non-laboratory environments in conformity to the EU regulations.

A precise and highly sensitive assay

The Flow-Through Rapid Test for AFB₁ can detect AFB₁ in different matrices with sensitivities down to 2 ppb.

Sample Preparation

Food samples are prepared for analysis by simply shaking the sample by hand in the presence of an extraction solution. An aliquot of the supernatant is diluted and used in the assay.

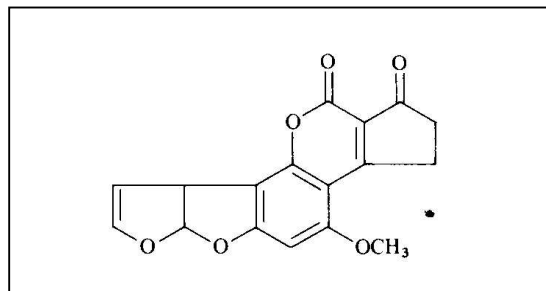
Results within 10 minutes

- (a) The Flow-Through Rapid Test for AFB₁ has a detection limit of 2 ppb (ng/g) (EU Reg.).
- (b) Configured for 1 – 10 tests at a time
- (c) Reagents are added drop-wise
- (d) Results are visually interpreted.

Shelf life

Maximum shelf life 8 months.

Kit components are reusable after opening the kit.



Validated Matrices

Cereals, soy beans, nuts, and derived products

Kit Contents

Membrane Devices	x 10
3 ml Syringes	x 10
Filters	x 10
Kit Manual	x 1
Reagent A:	Extraction Solution
Reagent B:	Dilution Buffer
Reagent C:	Anti-AFB ₁ Mab
Reagent D:	AFB ₁ -HRP Conjugate
Reagent E:	Wash Buffer
Reagent F:	TMB Substrate Solution

