

Product information

Product name:	anti-Aflatoxin B1 pab ELISA-Stick with test reagents
Product number:	EA-4
Package size:	5 tests
General Description:	Aflatoxins are naturally occurring mycotoxins that are produced by many species of <i>Aspergillus</i> . Aflatoxins are toxic and among the most carcinogenic substances known. After entering the body, aflatoxins are metabolized by the liver to a reactive intermediate, aflatoxin M ₁ , an epoxide. Aflatoxin-producing members of <i>Aspergillus</i> are common and widespread in nature. They can colonize and contaminate grain before harvest or during storage. Crops which are frequently affected include cereals (maize, sorghum, pearl millet, rice, wheat), oilseeds (peanut, soybean, sunflower, cotton), spices (chile peppers, black pepper, coriander, turmeric, ginger), and tree nuts (almond, pistachio, walnut, coconut, brazil nut). The toxin can also be found in the milk of animals which are fed contaminated feed.
Principle:	The <i>Aflatoxin B1 reagent test</i> is sensitive and easy to handle test for the detection of Aflatoxin M ₁ . The test can be carried out without sample preparation or pre-incubation. Since the test does not require any labour equipment, it is especially suitable for analysis on the spot.
Sensitivity:	Detection limit 1 ng
Crossreaction rate:	Aflatoxin B1 (100%), aflatoxin M1 (0.2%), aflatoxin B2 (0.3%), aflatoxin G1 (0.1%) and aflatoxin G2 (0.1%).
Sample size:	max. 1 ml
Assay sample type:	any sample
Detection time:	1.5 h

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