

# AlfaREAD

ELISA Kit for the Detection of Aflatoxin B1  
in Food and Feed Samples



## AflaREAD / ELISA KIT

When food and feed are stored under inappropriate conditions, storage fungi will produce mycotoxins – secondary metabolites, which often render consumption or further processing impossible. Because of their toxic and hazardous characteristics, resulting in strict EU-wide regulations, analysis needs to be extremely effective, sensitive and reliable.

LCTech's AflaREAD™ ELISA kit quantitatively detects Aflatoxin B1, harmful even in small concentrations. The immunological test procedure is based on an enzymatic colour reaction. It allows quick and easy screening of Aflatoxin B1 in a variety of products like e.g. nuts, almonds, rice, maize, spices or animal feed.

AflaREAD is delivered ready-to-use and can directly be used for screening sample extracts without further pre-treatment. The AflaREAD kit consists of a shrink-wrapped, coated ELISA plate, the standard solutions and all necessary substances. A comprehensive manual guides you through the effective and uncomplicated analysis.

With 0.1 ppb AflaREAD has an extremely low detection limit – unattainable by similar screening products. This makes it possible to perform a reliable screening of food products with very strict regulations like baby food. Due to this excellent sensitivity interfering matrix effects can be significantly reduced by simple dilution.

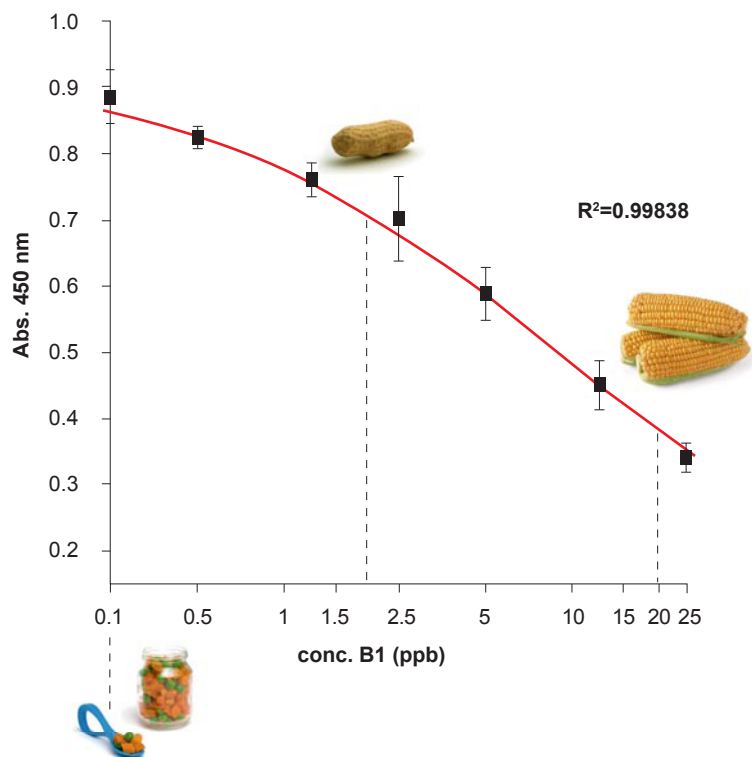
### ADVANTAGES AT A GLANCE:

- ➔ REDUCED COSTS (NO ANALYTICAL INSTRUMENTS NEEDED)
- ➔ VERY HIGH SAMPLE THROUGHPUT (88 SAMPLES IN LESS THAN 2 HOURS)
- ➔ UNMATCHED SENSITIVITY (0.1 PPB)
- ➔ FAST AND SIGNIFICANT RESULTS
- ➔ HIGHEST REPRODUCIBILITY
- ➔ LONG SHELF-LIFE (AT LEAST 12 MONTHS)
- ➔ EASY HANDLING



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- ➔ THE DETECTION MAXIMUM IS 25 PPB, FOR HIGHER CONCENTRATIONS THE SAMPLE IS DILUTED IN THE RUN-UP TO THE ANALYSIS



*Representative test of a standard, with exemplary limits in accordance with EU regulations.*

- ➔ ANOTHER PRODUCT BY LCTECH FOR YOUR MYCOTOXIN ANALYSIS:  
The system can be loaded with up to 52 samples of 60 mL each, with 26 samples of 100 mL each or with 12 samples of 250 mL each. At the discharge end, either 1 mL autosampler vials or different 16 mL vials are available.
- ➔ ORDERING INFORMATION  
ELISA Kit Aflatoxin  
Part No. 11139

Consisting of:

- ELISA plate, coated
- Standard solutions 1-8 (0-5 ng/mL)
- Detection solution
- Washing solution
- Dying solution
- Stopping solution
- Dilution buffer

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*LC Tech checks each charge in-house for functionality and reproducibility and documents the results with a quality certificate.*

## WOULD YOU LIKE A QUOTATION?

We are pleased to offer you the new and innovative LC Tech analytical preparation system. General, technical or sales enquiries may be directed as follows:

[sales@pickeringlabs.com](mailto:sales@pickeringlabs.com) / [support@pickeringlabs.com](mailto:support@pickeringlabs.com)

800-654-3330 / 650-694-6700 / Fax: 650-968-0749



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