

Ochratoxin A (OTA) ELISA Kit | OTA elisa kit

Ochratoxin A (OTA) ELISA Kit

CATALOG #
AAA81023

PRODUCT SYNONYMS

Ochratoxin A (OTA); Ochratoxin A (OTA) ELISA Kit; OTA elisa kit

PRODUCT SPECIFICATIONS

Samples	Feed, grain, cereal
Assay Type	Quantitative Competitive
Detection Range	0.15ug/kg?4.05ug/kg
Sensitivity	< 0.15 ug/kg
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<10%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

ADDITIONAL INFORMATION

Related Product Information for OTA elisa kit

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Ochratoxin A toxin antigen. Standards or samples are added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP) and antibody of Ochratoxin A. The competitive inhibition reaction is launched between pre-coated Ochratoxin A and Ochratoxin A in standards or samples with the Ochratoxin A special antibody. A substrate solution is added to the wells and the color develops in opposite to the amount of Ochratoxin A in the standards or samples. The color development is stopped and the intensity of the color is measured.

Background/Introduction: Ochratoxin A (OTA) is a toxic metabolite produced by *Aspergillus flavus* and *Penicillium* genera. Ochratoxin A has a strong liver and kidney toxicity, and has teratogenicity, mutagenicity and carcinogenicity. Ochratoxin A was considered to be the second important and harmful mycotoxin in the family following with Aflatoxin flavus. As the Ochratoxin A producing fungi exist widely in nature, especially higher yield in cereals and cereals products, coffee, cocoa contaminated with Ochratoxin A, it has been potential threat for human health and development of animal husbandry. This kit is a detection product developed based on ELISA technology, with operation time as short as 50 min and a sensitivity of 0.15 ug/kg, and linear range from 0.15 ug/kg to 4.05 ug/kg.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/elisa-kits/ochratoxin-a-ota/81023>