



User's Manual

Aflatoxin M1 ELISA Kit for Cheese Sample



DEIAFM1-1



96T



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

For illustrative purposes only. To perform the assay the instructions for use provided with the kit have to be used.

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PRODUCT INFORMATION

Intended Use

This Aflatoxin M1 ELISA kits for Cheese Sample can be used for qualitative and quantitative analysis of aflatoxin M1 in liquid milk, milk powder, yogurt, cheese etc.

General Description

Aflatoxins are very toxic chemical which always contaminate cereal, corn and peanut, etc., while Aflatoxin M1 is the metabolite of Aflatoxins after being consumed by animals. Strict residue limit has been established for aflatoxin M1 in dairy milk and baby food.

Principles of Testing

This kit is based on indirect-competitive ELISA. The microtiter wells are coated with coupling antigen. Aflatoxin M1 in the sample competes with the antigen coated on the microtiter plate for the antibody. After the addition of enzyme conjugate, chromogenic substrate is used to show the color. Absorbance of the sample is negatively related to the aflatoxin M1 concentration in it. After compared with the standard curve, multiplied by the dilution factor, aflatoxin M1 in the test sample can be calculated.

Reagents And Materials Provided

1. x Microtiter plate 96T
2. 6 x Standard Solution (0ppb, 0.03ppb, 0.09ppb, 0.27ppb, 0.81ppb, 2.43ppb) 1mL
3. 1 x Enzyme Conjugate 12mL
4. 1 x Antibody Solution 7mL
5. 2 x Substrate (A/B) 7mL
6. 20 x Concentrated Wash Solution 40mL
7. 2 x Concentrated Extraction Solution 50mL

Storage

2-8°C

Precision

Variation coefficient of the ELISA kit is less than 10%.

Detection Limit

Liquid milk: 0.03ppb Yogurt

Cheese: 0.15ppb

Milk Powder:0.25ppb

Sensitivity

0.03ppb