

Product Manual For Mycotoxin Testing

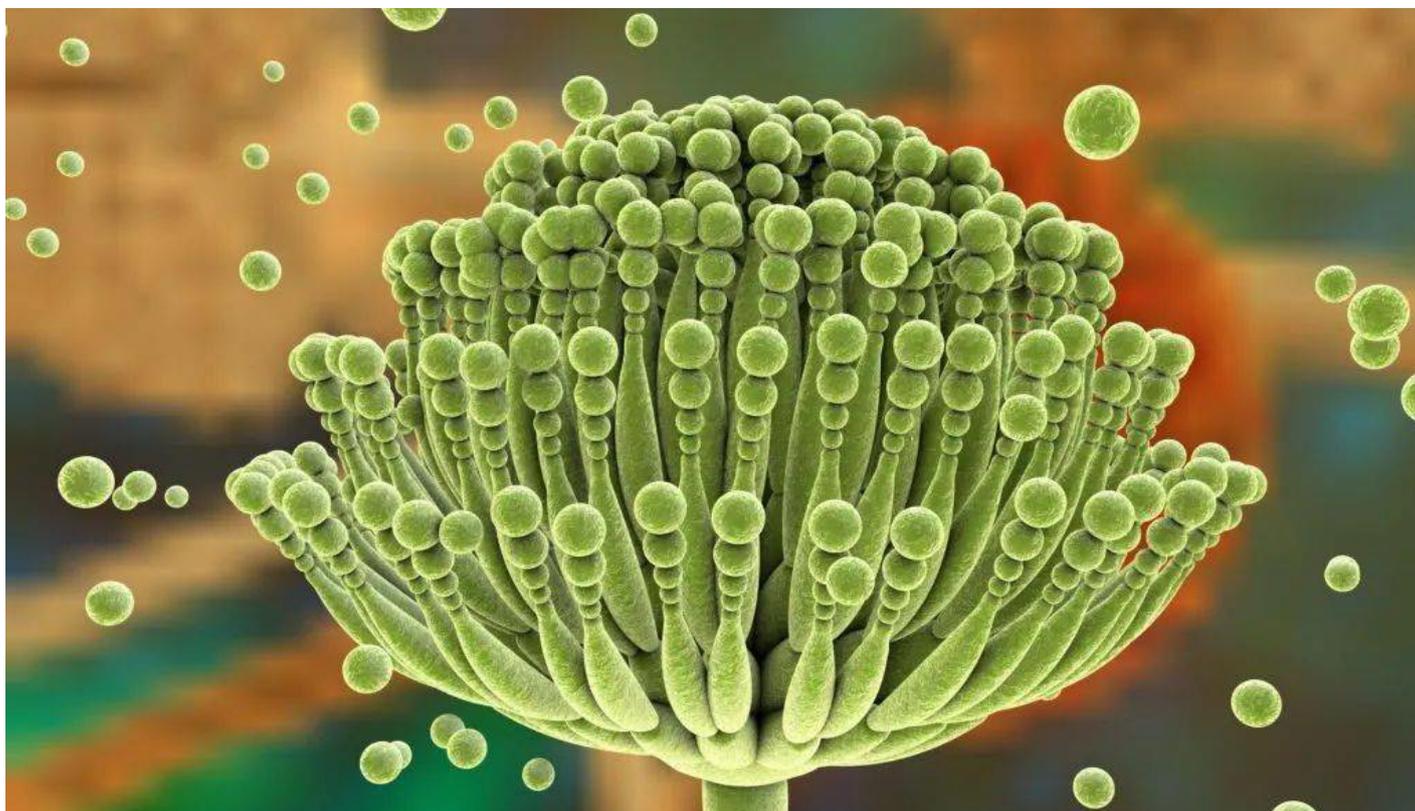
✓ Easy to operate

⏱ Rapid detection

📷 Accurate results



Fluorescence quantitative rapid detection of mycotoxin



■ Product introduction

The product is based on a time-resolved fluorescence immunochromatography rapid quantitative detection technology platform. When the sample to be tested is added to the sampling hole of the detection card, the mycotoxin in the sample binds to fluorescently labeled antibodies in the binding pad and undergoes forward chromatography through capillary action. Upon reaching the detection area, the mycotoxin antigen fixed on the detection line binds with any remaining unbound labeled antibodies. Following this reaction, the fluorescence value is measured by a fluorescence quantitative rapid detector, and using a built-in standard curve, it becomes possible to calculate both qualitative and quantitative information regarding mycotoxins present in the sample.

■ Product Use

The product can detect grain, oil, grain and its products, food, feed raw materials and compound feed samples.

■ Composition of products

Name	Test card	Sample dilution	ID card	Barcode	Instruction manual
Specifications	40 tests/box	1 bottle	1 pc	1 pc	1 pc

► Note:

1. Different batches of test cards, ID cards, bar codes and sample diluents cannot be mixed!
2. Sample diluent is different for each product.

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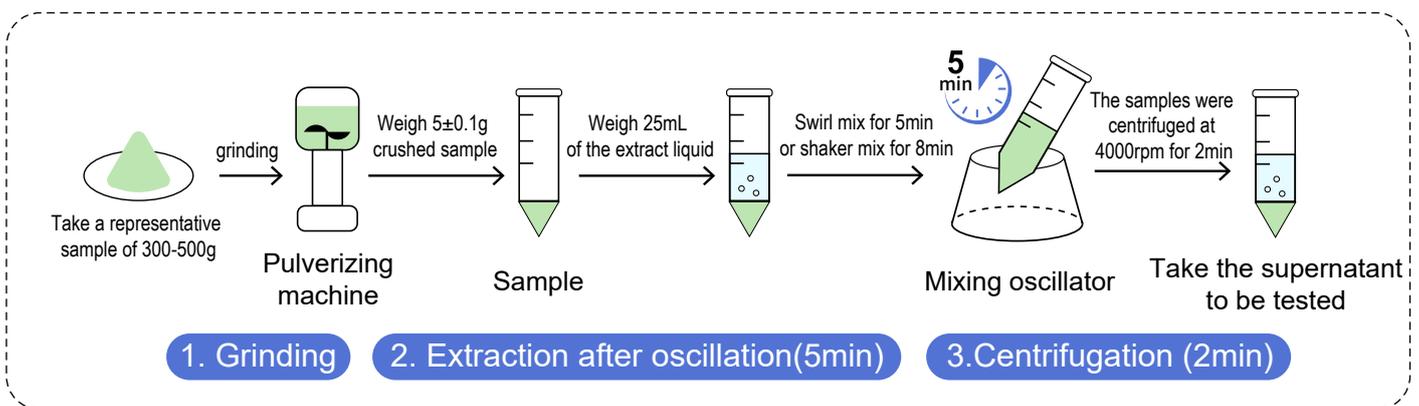
■ Applicable instrument

Fluorescence immunochromatographic analyzer

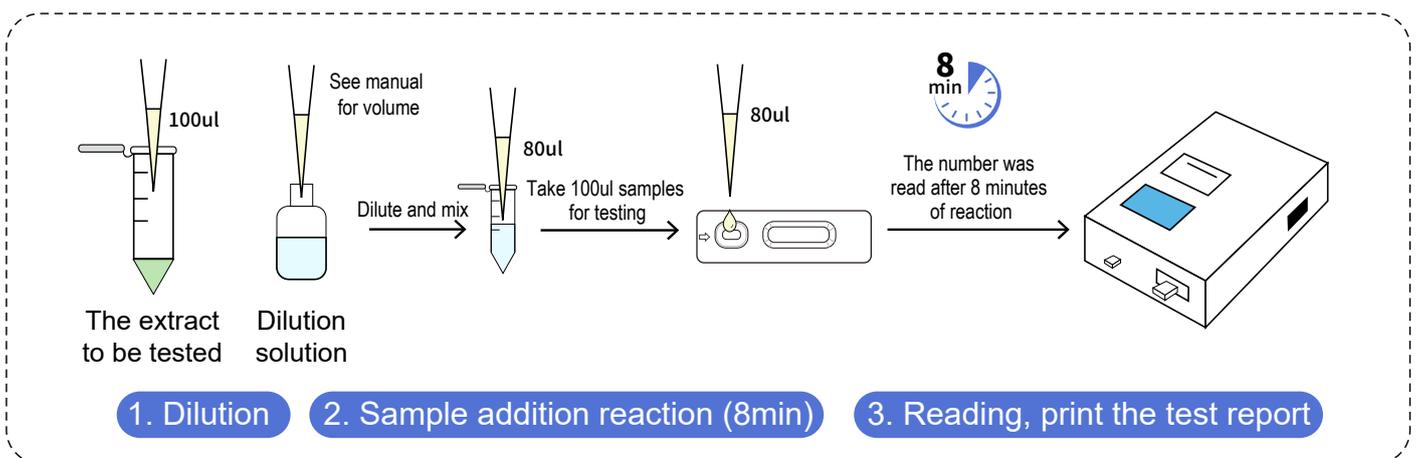


■ Process of operation

1. Sample pretreatment process



2. Testing process



3. Result judgment and output

The portable mycotoxin fluorescence quantitative detector can be used for reading, and the test results are more accurate and objective.



Fluorescence quantitative rapid detection of mycotoxin

Application and significance

1. Daily quality monitoring of cereals and products:

Mycotoxins may be produced in cereals, nuts, fruits and their products, as well as edible oil and feed during storage and transportation. Mycotoxins can be detected in time through detection, which is conducive to early control measures and reduce the loss of continued use.

2. Cause investigation:

When there is food poisoning or unexplained suspected symptoms, detection and screening can be carried out, which is conducive to finding the cause in time and taking improvement measures.

3. Reduce the burden on enterprises and increase efficiency:

The traditional mycotoxin detection method needs to consume a lot of time and labor cost, and needs to be equipped with professional technical personnel and equipment. This detection method is not only fast in detection speed, but also simple in operation and easy to carry. It can be quickly detected on the spot, help to close the quality in real time, shorten the waiting time for detection, and is conducive to the timely circulation of products.

Product parameters

Product name	Product code	Product Specifications	Storage	Product Introduction
Aflatoxin B1(AFB1) fluorescence quantitative rapid detection card	SC301401	40 tests/box	2-8 C	It is used for rapid detection of aflatoxin residues in grain, oil, grain and its products, vegetable oil and its raw materials, food and its condiments, feed raw materials and compound feed samples. The detection time is 10-15min, and the detection limit is 0.5µg/kg
Emesis toxin (DON) fluorescence quantitative rapid detection card	SC302401	40 tests/box	2-8 C	It is used for rapid detection of vomit toxin residues in grain and its products, food, feed raw materials and compound feed samples. The detection time is 10-15min, and the detection limit is 25µg/kg
Zearalenone (ZEN) fluorescence quantitative rapid detection card	SC303401	40 tests/box	2-8 C	It is used for rapid detection of zearalenone residues in grain, oil, grain and its products, vegetable oil and its raw materials, food and its condiments, feed raw materials and compound feed samples. The detection time is 10-15min, and the detection limit is 5µg/kg
Fumonisin light quantitative rapid detection card	SC304401	40 tests/box	2-8 C	It is used to detect the residual concentration of fumonisins in various grains (rice, corn, wheat, barley, sorghum, etc.) and their products, and various foods

Note: Aflatoxin B1(AFB1) fluorescent quantitative rapid detection card, emesis toxin (DON) fluorescent quantitative rapid detection card, zearalenone (ZEN) fluorescent quantitative rapid detection card have been obtained the product evaluation report of China National Feed Quality Inspection and Testing Center.



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