



## **Aflatoxins M1 rapid test strips**

Catalog No. LSY-20038

### **1. Brief**

This product is used for testing Aflatoxins M1 residue in **milk** without any machine. The total test time only need 5 min, easy to operate. **The sensitivity is 5ng/g (5ppb).**

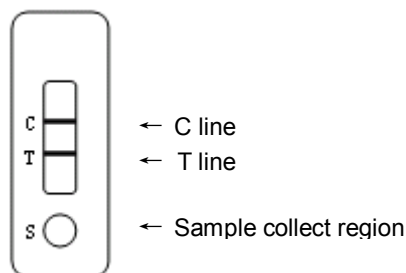
### **2. Specifications: 50 tests/kit**

### **3. Principle**

The **Aflatoxins M1** rapid test strip is an immuno-chromatographic test, using colloidal gold immunoassay method. It relies on the competition between Aflatoxins M1 residues in the sample and the Aflatoxins M1 on T line, to the limited amount of dye-antibody. As a sufficient amount of drug in the sample is presenting, the drug will saturate the antibody. Consequently, it will show an extremely light or even invisible T line, indicating a positive result. On the other hand, if there is a negative sample (or the amount of the drug is lower than the minimum detectable concentration, for urine and tissue sample 5 ppb), it will generate two obvious lines in both the T and C line section.

### **4. Contents**

- |                     |             |
|---------------------|-------------|
| 1) Test cassette    | 50 pieces   |
| 2) Manual           | 1 pieces    |
| 3) Dropper          | 1 piece/bag |
| 4) Desiccant        | 1 piece/bag |
| 5) Disposable glove | 10 pieces   |



### **5. Sample preparation**

#### **Milk**

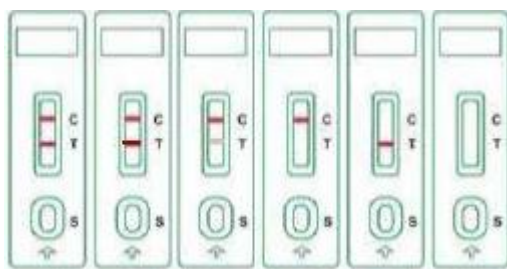
Directly take fresh, unpolluted milk to test. (Notice: Do not test milk immediately after cold storage.)

### **6. Operation procedures**

- 6.1 Return test card and sample into room temperature.
- 6.2 Take necessary strips on desk, use it in 1 hour.
- 6.3 Put the test card flatly, use dropper to drop 2-3 drops of sample (or use micropipette to take 80  $\mu$ L) in the Sample collect region.
- 6.4 Wait for 3-5 min to read the result. (It's valid in 10 minutes)

### **7. Test Result Interpretation**

- 7.1 Negative: Red T line appears.
- 7.2 Positive: Red T line is invisible.
- 7.3 Invalidation: C line isn't seen wine red.



Negative Negative Negative Positive Invalid Invalid

## 8. Precautions

- 1) The test card can be used only once at room temperature, do not use test card out of expiry date.
- 2) Every test cassette and dropper is single use only, to avoid cross pollution.
- 3) Do not touch the white membrane surface in the middle of test card, avoid sunlight and fan blowing directly.
- 4) Tap water, distilled water or deionized water can not be taken as negative control sample.
- 5) Use this card to test again when get positive result
- 6) Because of sample difference, some test line may appear light or grey color, but only red color appear, it can be judged as Negative.

## 9. Storage and expiry date

**Storage:** Store at 4-30 °C in dark, no frozen.

**Expiry date:** 12 months; date of production is on box.

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