

Aflatoxins M1 Rapid Test Strip

INSTRUCTION MANUAL

FOR PRODUCT No: LT83002AYS/L



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MANUAL VERSION 1.01

INTRODUCTION

This product is used for testing Aflatoxin M1 in milk sample (pure milk and fresh milk) qualitatively.

Detection limit: Milk: **0.3ng/ml (0.3ppb)**

PRINCIPLE

The Aflatoxin M1 rapid test dipstick is based on competitive inhibition immunochromatographic principle. In the flow process, Aflatoxin M1 in the sample combined with Aflatoxin M1 specific colloidal gold-labeled monoclonal antibody, inhibit the combination between antibody and Aflatoxin M1-BSA conjugate on Test line of NC membrane, lead to the color change of Test line. When the sample has no Aflatoxin M1 residue or concentration lower than detection limit, T line is darker than C line or T line has same color with C line; when the concentration is equal to or higher than detection limit, T line is obviously lighter than C line or T line has no color. No matter whether there is Aflatoxin M1 residue in sample, C line will appear, it means the test is valid.

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| 1) 8 microwells and 8 dipsticks in one bottle | 12 bottles / kit |
| 2) Manual | 1 piece |

PROTOCOL

1. Read the instruction carefully before use. Return test dipsticks and sample into room temperature.
2. Take bottles needed from the kit package, take out required microwells and

dipsticks, making proper marks. Please use these test dipsticks within 1h. Seal the cap of the bottles, avoid moisture.

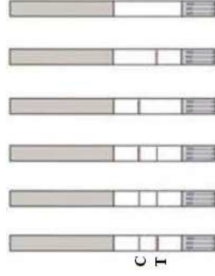
3. Take 200µl of the test samples into the microwells, then repeatedly absorb for many times, mix the sample with the reagent in the microwells completely (this is a very important step).
4. Incubate for 5min at room temperature (20-25°C), insert the test dipsticks into the microwells with the "MAX" end fully dipped in to the mixture solution.
5. Incubate for 5-8min at room temperature again, read the result, it is invalid in other time.

TEST RESULT INTERPRETATION

Negative: T line is darker than C line, or T line has same color with C line. It means there is no Aflatoxin M1 residue in sample or the residue is lower than detection limit.

Positive: T line is obviously lighter than C line or T line is invisible. It means the Aflatoxin M1 residue is equal to or higher than detection limit.

Invalidation: C line isn't seen wine red. It means the test card is out of efficacy, out of date or improper operation. Please run the test again using another package. If the invalid tests keep happening, please contact the supplier.



Negative Negative Positive Invalid Invalid

PRECAUTIONS

- 1) The test card can be used only once at room temperature, do not use test card out of expiry date.
- 2) Please seal the bottle after taking out required test dipsticks. If can not use all 8 microwells at once, cup the rest and put it back to bottle and sealed.
- 3) Do not touch the white membrane surface in the middle of test card, avoid sunlight and fan blowing directly.
- 4) Milk samples should be fully liquid without any agglomeration and deposition.
- 5) Use the test dipsticks testing again for positive results.
- 6) Please contact the supplier for any questions.
- 7) The results is for reference only, for confirmation, please refer to the relevant national standard methods.

SPECIFICITY

Test 500ppb Sulfonamides, quinolones and tetracyclines and other drugs. All the results are negative.

STORAGE AND EXPIRY DATE

Storage: Store at 2-30 °C in dark, sealed, dry place, not to be frozen.

Expiry date: 12 months, date of production is on box.