

## Tetracyclines rapid test dipsticks (milk)

### 1. Specifications: 10 dipsticks/bottle

### 2. Brief

This product is used for testing Tetracyclines in milk sample (pure milk and fresh milk) and goat's milk sample qualitatively. The whole test procedure only need 6min, easy to operate with high sensitivity.

### 3. Detection limit [ppb (ug/kg)]

Name	Detection limit
Tetracycline	10-15
Oxytetracycline	5-10
Chlortetracycline	5-10
Doxycycline	15-20

### 4. Contents

Tetracyclines test dipsticks	10 dipsticks/bottle
Red powder micro-wells	10 micro-wells/bottle
Manual	1 piece
Desiccant	2 pieces/bottle

### 5. Principle

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

### 6. Operation procedures

6.1 Read the instruction carefully before use. Return test dipsticks and sample into room temperature.

6.2 Take bottles needed from the kit package, take out required micro-wells and dipsticks, making proper marks. Please use these test dipsticks within 1h. Seal the cap of the bottles, avoid moisture.

6.3 Take 200ul of the test samples into the micro-wells, then repeatedly pump and suck for 5 times, mix the sample with the reagent in the micro-wells completely until no solid judged by eyes (this is a very important step).

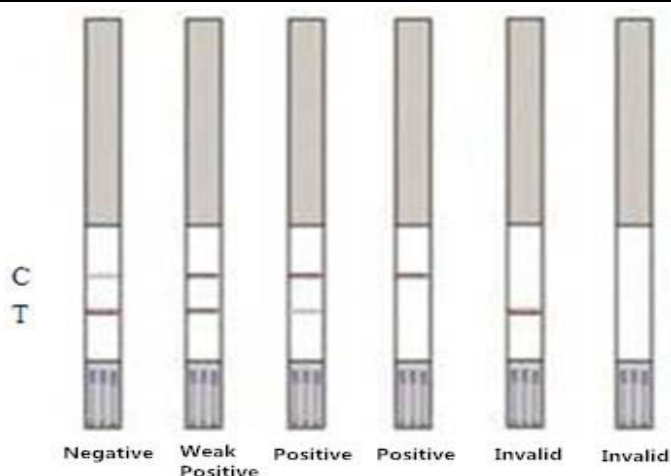
6.4 Incubate for 3min at (40±2℃), then insert the test dipsticks into the micro-wells with the "MAX" end fully dipped in to the mixture solution.

6.5 Insert the test dipsticks into micro-wells for 3min then read the result, it is invalid in other time.

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### 7. Test Result Interpretation

Color depth comparison of T line and C line	Result judgment	Result analysis
T line > C line	Negative	Tetracyclines residue is lower than detection limit in sample
T line = C line	Weak positive	Tetracyclines residue is equal to detection limit in sample
T line < C line or T line is invisible	Positive	Tetracyclines residue is higher than detection limit in sample
C line is invisible	Invalid	The test dipstick is invalid, test again



### 8. Precautions

- 1) The test dipsticks can be used only once at room temperature, do not use test dipsticks out of expiry date.
- 2) Please seal the bottle after taking out required test dipsticks. If can not use all 10 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.

### 9. Specificity

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

### 10. Storage and expiry date

**Storage:** Store at 2-8 °C in dark, sealed, dry place, no frozen.

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