

**STREPTOMYCIN RAPID TEST DIPSTICKS**  
**MANUAL**

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## Streptomycin Rapid Test Dipsticks (milk)

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**Catalogue Number. IP100075**

### ***Brief***

This product is used for testing Streptomycin in milk sample (pure milk and fresh milk) and goat's milk sample qualitatively. The whole test procedure only need 10min, easy to operate with high sensitivity

### ***Principle***

The Streptomycin rapid test dipstick is based on competitive inhibition immuno-chromatographic principle. In the flow process, Streptomycin in the sample combined with Streptomycin specific colloidal gold-labeled monoclonal antibody, Inhibit the combination between antibody and Streptomycin-BSA conjugate on Test line of NC membrane, lead to the color change of Test line. When the sample has no Streptomycin 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 Streptomycin residue in sample, C line will appear, it means the test is valid.

### ***Technical specifications***

*8 strips/bottle, 12 bottles/kit*

*Detection limit : Streptomycin 10-15ppb*

### ***Components***

1	Streptomycin test strip	8strip/bottle
2	Red powder micro-well	8 micro-well/bottle
3	Manual	1 piece
4	Desiccant	2 pieces/bag

### ***Solution preparation***

*Dilute Sample extract A 10X with deionized water at 1:9: 1 partSample extract A 10X + 9 parts deionized water.*

### ***Samples preparation***

#### **a) Tissue**

Take 3±0.05g homogenized tissue sample, add 3ml Sample extract A, shake for 2min; then add 300ul Sample extract B, shake for 1min; centrifuge at 4000rpm for 5min, take up-layer clear liquid to test.

## b) Egg

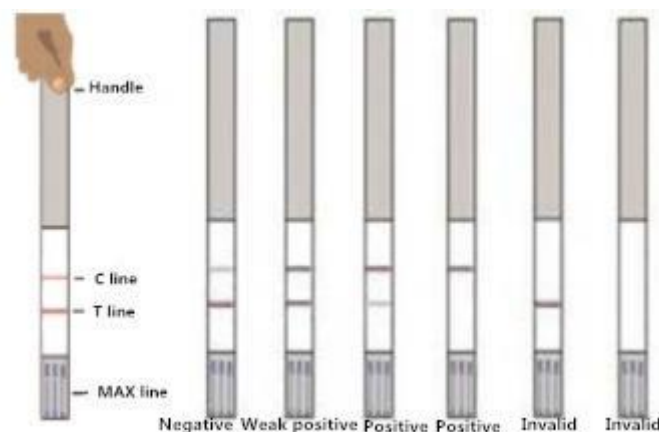
1 Take 1g fresh homogeneous egg sample, add 3ml pure water, shake by hand or vortex strongly for 3min, ready for testing.

### Operation procedures

- 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 micro-wells and dipsticks, making proper marks. Please use these test dipsticks within 1h. Seal the cap of the bottles, avoid moisture.
3. Take 200ul of the test samples into the micro-wells, then repeatedly absorb 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).
4. Incubate for 3min at  $(40\pm 2^{\circ}\text{C})$ , then insert the test dipsticks into the micro-wells with the "MAX" end fully dipped in to the mixture solution.
5. Insert the test dipsticks into micro-wells for 3min then read the result, it is invalid in other time.

### Result Interpretation

<i>T line &gt; C line</i>	<i>Negative</i>	<i>Streptomycin residue is lower than detection limit in sample</i>
<i>T line = C line</i>	<i>Weak positive</i>	<i>Streptomycin residue is equal to detection limit in sample</i>
<i>T line &lt; C line or T line is invisible</i>	<i>Positive</i>	<i>Streptomycin residue is higher than detection limit in sample</i>
<i>C line is invisible</i>	<i>Invalid</i>	<i>The test dipstick is invalid, test again</i>



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

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