

**CHLORAMPHENICOL (CAP) RAPID TEST
DIPSTICKS
MANUAL**

Chloramphenicol (CAP) Rapid Test Dipsticks (milk,egg,honey,tissue)

Catalogue Number. IP100068

Brief

This product is used for testing Chloramphenicol in milk sample (pure milk and fresh milk) and goat's milk sample qualitatively. The whole test procedure only need 13min, easy to operate with high sensitivity.

Principle

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

Technical specifications

Sensitivity: 0.5ppb

Incubation Temperature: 25°C

Incubation Time: 30min~15min

Detection limit Tissue, liquid milk:5ppb

Cross-reaction rate: Avermectin 100%,Avermectin 25%,Eprinomectin 10%,Doramectin 6%

Recovery rate: 90±30%

Components (milk,egg,tissue)

<i>CAP test dipsticks</i>	<i>8 dipsticks/bottle</i>
<i>powder micro-wells</i>	<i>8 micro-wells/bottle</i>
<i>Manual</i>	<i>1 piece</i>
<i>Desiccant</i>	<i>2 pieces/bottle</i>

Contents (honey)

CAP test strip	8 strip/bottle, 12 bottle/kit
Red powder Micro-well	8 Micro-well/bottle
Desiccant	2 pieces/bottle
Instruction	1 piece
10X concentrated sample buffer	1 bottle
Sample extractB	1 bottle
Sample extractC	1 bottle

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±2°C), insert the test dipsticks into the micro-wells with the "MAX" end fully dipped in to the mixture solution. Sample pre-treatment Instructions
For egg,honey l)ncubate 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. Insert the test dipsticks into micro-wells for 10min then read the result, it is invalid in other time.

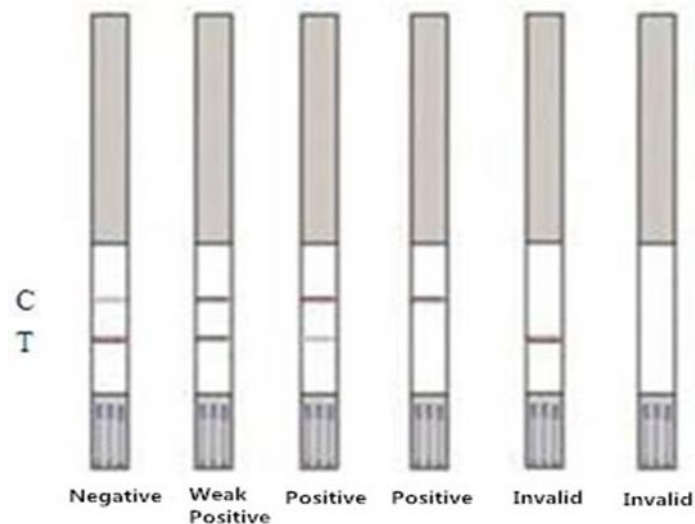
Result Interpretation

Color depth comparison of T line and C line	Result judgment	Result analysis
<i>T line >C line</i>	<i>Negative</i>	<i>Chloramphenicol residue is lower than detection limit in sample</i>
<i>T line =C line</i>	<i>Weak positive</i>	<i>Chloramphenicol residue is equal to detection limit in sample</i>
<i>T line <C line or T line is invisible</i>	<i>Positive</i>	<i>Chloramphenicol 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>

Test Result Interpretation

- 1 Negative: T line is darker than C line, or T line has same color with C line. It means there is no Chloramphenicol residue in sample or the residue is lower than detection limit.
- 2 Positive: T line is obviously lighter than C line or T line is invisible. It means the Chloramphenicol residue is equal to or higher than detection limit.

3 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.



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) Urine sample must be fresh and unpolluted, cold storage urine must return to room temperature when testing
- 7) Because of sample difference, some test line may appear light or grey color, but only red color appear, it can be judged as Negative.
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.