

**THIAMPHENICOL RAPID TEST
STRIP
MANUAL**

Thiamphenicol Rapid Test Strip (Milk)

Catalogue Number. IP100102

Brief

The Thiamphenicol rapid test strip is used for testing Thiamphenicol residue in fresh milk qualitatively. The whole test only need 6min, east to operate with high sensitivity. This product has cross reaction with Florfenicol.

Principle

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

Technical specifications

Specifications: 8 strips/bottle, 12 bottles/kit

Detection limit: ppb(ug/kg)

Name	Detection limit (ppb)
Thiamphenicol	0.3~0.5
Florfenicol	0.3

Components

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

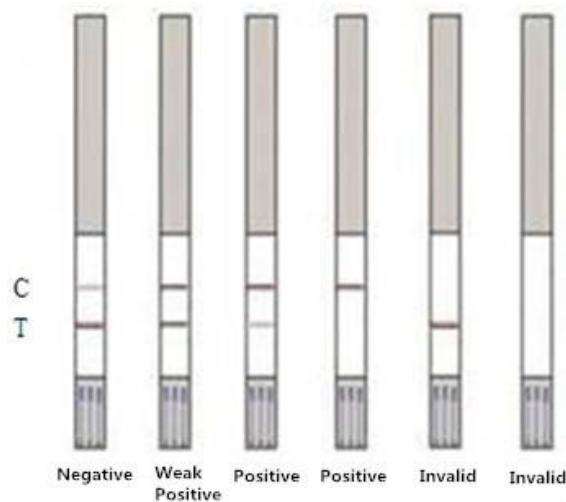
Operation procedures

1. Read the instruction carefully before use. Return test strips and sample into room temperature.
2. Take bottles needed from the kit package, take out required microwells, making proper marks, Please use it in 1 hour. Seal the cap of the bottles, avoid moisture.
3. Use Micro-pipette to take 200ul of the samples into the microwells, then repeatedly absorb for 5 times, mix the sample with the reagent in the microwells completely until no solid judged by eyes (this is a very important step).

4. Incubate at $40 \pm 2^\circ\text{C}$ for 3 min. Then insert the strip into micro-well, put the end with MAX down into the liquid.
5. Insert the strip into the liquid for 3min, then read the result.

Test Result Interpretation

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



Specificity

This product has no cross-reaction with Quinolones, Sulfonamides and Tetracyclines etc.

Precautions

1. The test strip is used for once at room temperature, do not use test strip out of date.
2. Cover the bottle immediately after taking out the reagent. If can't use 8 micro-wells for one time, cover the micro-wells immediately and put back to the bottle, store in seal.
3. Do not touch the white membrane surface in the middle of test strip, avoid sunlight and fan blowing directly.
4. Milk samples should be fully liquid without any agglomeration, sour and precipitation
5. Use the test strips testing again for positive results.
6. Please contact the supplier for any questions.
7. The result is for reference. To confirm, please refer national standard method.

Storage: Store at $2-8^\circ\text{C}$ in dark, sealed, dry place, no frozen.



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