

**FLORFENICOL RAPID TEST STRIP**  
**MANUAL**

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## Florfenicol Rapid Test Strip (milk,egg,tissue)

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**Catalogue Number. IP10007**

### ***Brief***

The Florfenicol rapid test strip is used for testing Florfenicol residue in milk(including pure milk and fresh milk) and goat milk qualitatively. The whole test only need 8min, east to operate with high sensitivity.

### ***Principle***

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

### ***Technical specifications***

8 strips/bottle, 12 bottles/kit

Detection limit Tissue:0.1ppb,milk:0.3ppb,egg:0.5ppb.

### ***Components***

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

### ***Materials required but not provided***

Equipments: Homogenizer, nitrogen-drying device, vortex(optional), centrifuge, Micropipette, balance (a reciprocal sensibility of 0.01 g);

Consumables: 15ml centrifuge tube, disposable tips.

### ***Samples preparation***

#### **a) Tissue**

1) Take  $3 \pm 0.05$ g homogenized tissue sample into 50ml centrifuge tube, add 3ml deionized water, then add 7ml ethyl acetate, shake by hand or oscillator for 2min, centrifuge at 4000r/min for 5min;

- 2) Take 4ml supernatant into another centrifuge tube, blow to dry at 56°C by Nitrogen or air (or use hair dryer).
- 3) Add 0.5ml n-Hexane, shake for 30s (or repeatedly blow and beat until Re-dissolved), dissolve substance on tube wall and bottom completely, then add 0.45ml Sample Redissolving solution, shake for 10s, be static or centrifuge at 4000r/min for 5min until solution stratification, discard up-layer n-Hexane phase, absorb 200ul down-layer solution for 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.

**ELISA procedures**

**Instructions**

- 1) Bring all reagents and micro-well strips to the room temperature (20-25 °C) before use;
- 2) Return all reagents to 2-8 °C immediately after use;
- 3) The reproducibility of the ELISA analysis, to a large degree, depends on the consistency of plate washing. The correct operation of plate washing is the key point in ELISA the procedures;
- 4) For the incubation at constant temperatures, all the samples and reagents must avoid light exposure, and each microplate should be sealed by the cover membrane.

**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 microwells 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 many times, mix the sample with the reagent in the micro-wells completely (this is a very important step).
- 4 Incubate for 5min at room temperature (20-25°C), 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 3-5min then read the result, it is invalid in other time.

**Test Result Interpretation (milk)**

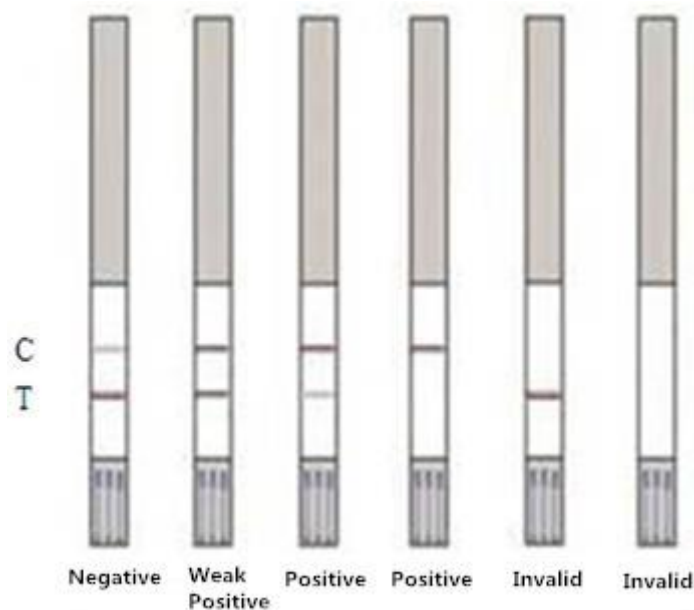
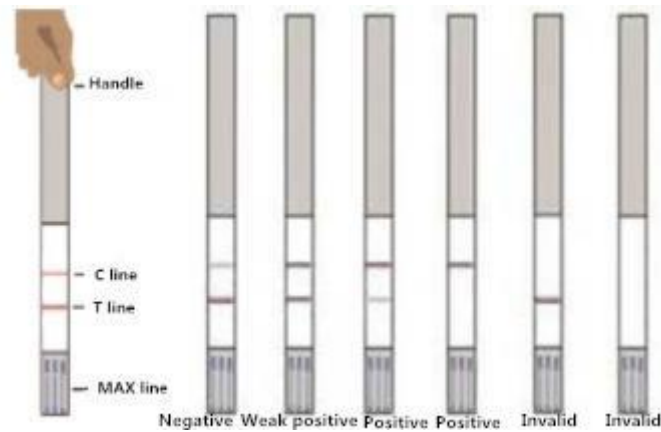
Color depth comparison of T line and C line	Result judgment	Result analysis
T line > C line	Negative	Florfenicol residue is lower than detection limit in sample
T line = C line	Weak positive	Florfenicol residue is equal to detection limit in sample
T line < C line or T line is invisible	Positive	Florfenicol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

### Test Result Interpretation (tissue,egg)

1. Negative: T line is darker than C line, or T line has same color with C line. It means there is no Florfenicol 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 Florfenicol 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 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.

***Specificity***

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

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

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