

ENROFLOXACIN RAPID TEST STRIPS
MANUAL

Enrofloxacin Rapid Test Strips (Tissue, honey ,milk ,egg)

Catalogue Number. IP100095

Brief

This product is used for testing Enrofloxacin in tissue sample (including pork, chicken, beef, fish, shrimp, crabs etc.) qualitatively.

Principle

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

Technical specifications

8 strips/bottle, 12 bottles/kit

Detection limit :milk:3-5ppb,tissue:1-2ppb,honey:5-7ppb,egg:3-5ppb

Components

1	test strip	8strip/bottle
2	Red powder micro-well	8 micro-well/bottle
3	Manual	1 piece
4	Desiccant	2 pieces/bag
5	10X Sample extract solutionA	1bottle
6	Sample extract solutionB	1 bottle

Sample preparation

1) Sample extract solution A: Dilute 10X Sample extract solution A with deionized water at 1:9. (1 part 10X Sample extract solution A + 9 parts deionized water)

2) Sample treatment

Fish and Chicken

Take 3 ± 0.05 g homogenized tissue sample, add 3ml Sample extract solution A, shake for 3min; then add 300ul Sample extract solution B, shake for 3min; centrifuge at 4000rpm for 10min, take up-layer solution for test.

Shrimp

Take 3 ± 0.05 g homogenized tissue sample, add 3ml Sample extract solution A, shake for 3min; then add 240ul Sample extract solution B, shake for 3min; centrifuge at 4000rpm for 10min, take up-layer solution for test.

Dilute 10X Sample extraction A with deionized water at 10 times before use. (1 part 10X Sample extraction A + 9 parts deionized water)

Weigh 2 ± 0.05 g honey, add 3ml diluted Sample extraction A, shake for 3min; then add 300ul Sample extraction B, shake for 1min; add 2ml Sample extraction C, shake for 1min, ready to test.

Operation procedures

1. Read the manual carefully before testing, return test strips and milk sample into room temperature before use.

2. Absorb 200ul milk sample into Micro-well, sucking 5~10 times until sample mix even with reagent in micro-well, observe by eyes no solid.

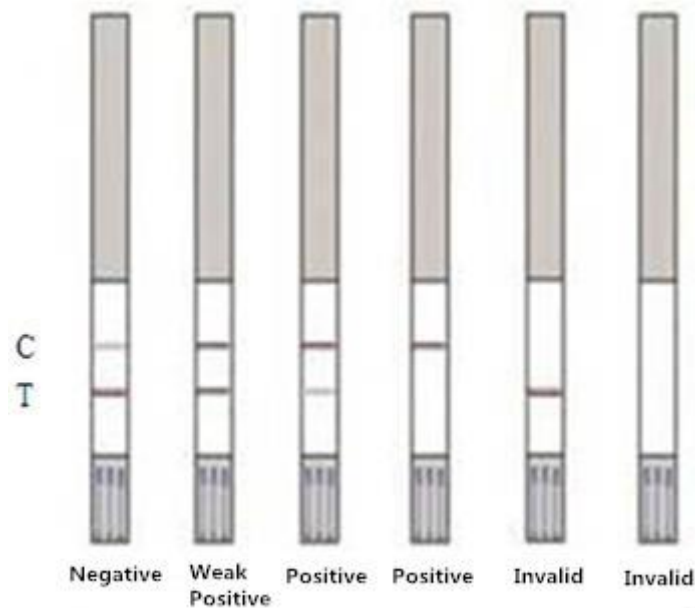
3. Incubate at 40°C for first step [Recommended, if no incubator, incubate at room temperature (25°C) is also OK], timing for 5min;

4. Insert the strip into micro-well, put the end with MAX down, incubate at 40°C for second step [Recommended, if no incubator, incubate at room temperature (25°C) is also OK], timing for 5min

5. Take out the strip from micro-well, judge the result. time.

Result Interpretation

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



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 micro-wells 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 dipsticks, avoid sunlight and fan blowing directly.
- 4) Use the test dipsticks testing again for positive results.
- 5) Please contact the supplier for any questions.
- 6) The result is for reference only, for confirmation, please refer to the relevant national standard method.

Specificity

Test 500ppb Sulfonamides, Chloramphenicol 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..