

Quinolones rapid test strips (Meat)

1. Specifications: 10 dipsticks/bottle

2. Brief

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

3. Detection limit

Name	Detection limit	Name	Detection limit
Enrofloxacin	1-2ppb	Difloxacin	2-3ppb
Ciprofloxacin	1-2ppb	Oxolinic acid	1-2ppb
Norfloxacin	1-2ppb	Enoxacin	2-3ppb
Pefloxacin	1-2ppb	Marbofloxacin	2-3ppb
Sarafloxacin	1-2ppb	Flumequine	1-2ppb
Danofloxacin	2-3ppb	Lomefloxacin	2-3ppb
Ofloxacin	1-2ppb		

4. Contents

1	Quinolones test strip	10 strips/bottle
2	Manual	1 piece
3	Desiccant	2 pieces/bottle
4	10X Sample extract solution	1 bottle

5. Principle

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

6. Sample preparation

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

2) Sample treatment

Tissue (fish, shrimp, crabs, pork, chicken, beef etc.)

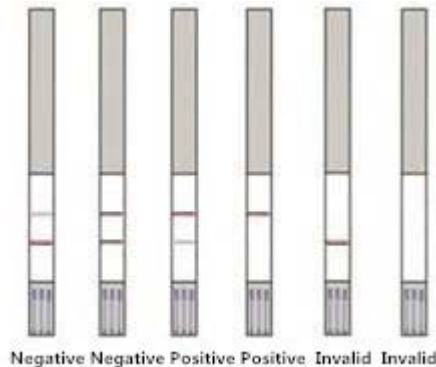
Take 3 ± 0.1 g homogenized tissue sample, add 3ml Sample extract solution, shake for 2min; centrifuge at 4000r/min for 5min, take up-layer solution for test.

7. Operation procedures

- 7.1 Read the instruction carefully before use. Return test strips and sample into room temperature.
- 7.2 Take bottles needed from the kit package, take out required microwells and strips, making proper marks. Please use these test strips within 1h. Seal the cap of the bottles, avoid moisture.
- 7.3 Take 200ul of the test samples into the micro-wells, **then repeatedly pump and suck for many times, mix the sample with the reagent in the micro-wells completely until no solid judge by eyes(this is a very important step).**
- 7.4 Incubate for 5min at room temperature (20-25°C), then insert the test strips into the micro-wells with the "MAX" end fully dipped in to the mixture solution.
- 7.5 Insert the test strips into micro-wells for 5-8min then read the result, it is invalid in other time.

8. Test Result Interpretation

- 8.1 Negative: T line is darker than C line, or T line has same color with C line. It means there is no Quinolones residue in sample or the residue is lower than detection limit.
- 8.2 Positive: T line is obviously lighter than C line or T line is invisible. It means the Quinolones residue is equal to or higher than detection limit.
- 8.3 Invalidation: C line isn't seen wine red. It means the test strip is out of efficacy, out of date or improper operation. Please run the test again using another package. If the invalid tests keep happening, please contact the supplier.



9. 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 10 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.

10. Specificity

Test 500ppb Sulfonamides, Chloramphenicol and tetracyclines and other drugs. All the results are negative.

11. Storage and expiry date

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

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