

Tetracycline rapid test strips (Tissue)

1. Specifications: 10 dipsticks/bottle

2. Brief

This product is used for testing Tetracycline in tissue sample (including chicken, fish, shrimp etc.) qualitatively. The whole test need 15~30min, easy to operate with high sensitivity.

3. Detection limit: ppb(ug/kg)

Tetracycline	10-15
Oxytetracycline	40-50
Chlortetracycline	15-20
Doxycycline	60-80

4. Contents

1	Tetracycline test strip	10 strip/bottles
3	Manual	1piece
4	Desiccant	2pieces/bottle
5	10X Sample extract solution A	1 bottle
6	Sample extract solution B	1 bottle

5. Principle

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

6. 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.

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.

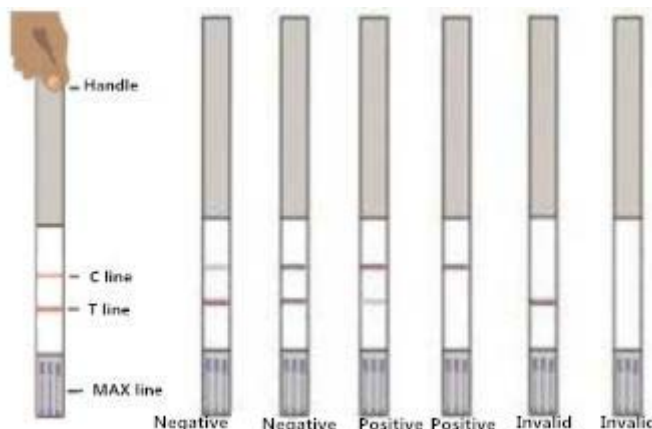
7.3 Take 200ul of the test samples into the micro-wells, then repeatedly pump and suck for many times, mix the sample with the reagent in the micro-wells completely until no solid judge by eyes(this is a very important step).

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 5min then read the result, it is invalid in other time.

8. Test Result Interpretation

Color depth comparison of T line and C line	Result judgment	Result analysis
T line > C line or T line = C line	Negative	No Tetracycline residue or Tetracycline residue is lower than detection limit in sample
T line < C line or T line is invisible	Positive	Tetracycline residue is equal to or higher than detection limit in sample
C line is invisible	Invalid	The test dipstick is invalid, test again



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, Fluoroquinolone and Melamine 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.