

**TETRACYCLINES, GENTAMICIN AND
QUINOLONES COMBO RAPID TEST STRIP
MANUAL**

Tetracyclines, Gentamicin and Quinolones Combo Rapid Test Strip (milk)

Catalogue Number. IP100088

Brief

The Tetracyclines, Gentamicin and Quinolones combo rapid test strip is based on Colloidal gold immunochromatography, used for testing Tetracyclines, Gentamicin and Quinolones residue in milk (including pure milk and fresh milk) and goat milk qualitatively. The whole test only need 10min, easy to operate with high sensitivity.

Principle

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

Technical specifications

8 strips/bottle, 12 bottles/kit

Detection limit :

Quinolones	Detection limit (ppb)	Tetracyclines	Detection limit (ppb)	Gentamicin	Detection limit (ppb)
Enrofloxacin	2-3	Tetracycline	10-15	Gentamicin	3-5
Ciprofloxacin	2-3	Oxytetracycline	10-15		
Norfloxacin	2-3	Chlortetracycline	10-15		
Pefloxacin	2-3	Doxycycline	15-20		
Sarafloxacin	2-3				
Ofloxacin	2-3				
Danofloxacin	2-4				
Flumequine	2-3				
Enoxacin	3-5				

Lomefloxacin	2-3				
Marbofloxacin	3-5				
Nadifloxacin	3-5				
Bifloxacin	3-5				
Cinoxacin	5-8				
Oxolinic Acid	2-3				

Components

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

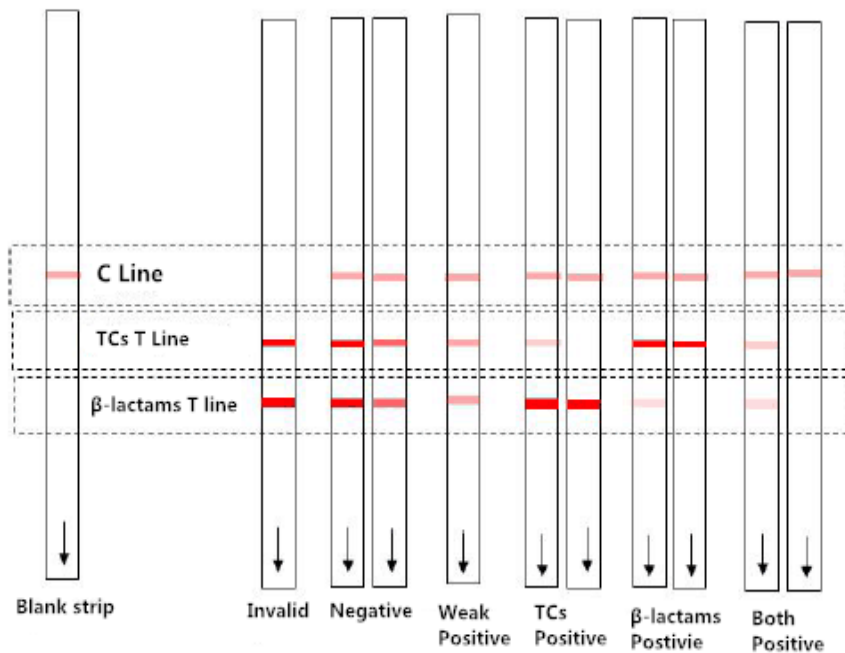
Operation procedures

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	antibiotics residue is lower than detection limit in sample
T line = C line	Weak positive	antibiotics residue is equal to detection limit in sample
T line < C line or T line is invisible	Positive	antibiotics residue is higher than detection limit in sample
C line is invisible	Invalid	The test dipstick is invalid, test again

Result judgment picture



Precautions

- 1) This product is suitable for pure milk of cattle and sheep and raw milk.
- 2) Test dipsticks and micro-wells are disposable, do not use test dipsticks out of date.
- 3) Please seal the bottle after taking out required test dipsticks. If can not use all 8 microwells at once, cup the rest and put it back to bottle and sealed.
- 4) Do not touch the white membrane surface in the middle of test dipsticks, avoid sunlight and fan blowing directly.
- 5) Store milk sample in cold, no more than 3 days.
- 6) Milk samples should be fully liquid without any agglomeration, sour and precipitation. Stir milk sample to even before test.
- 7) For milk sample with high fat content, chromatography is slow, recommending extension the second step for another 1 min.
- 8) Use the test dipsticks testing again for positive results

Specificity

This product has no cross-reaction with Quinolones, Sulfonamides, Chloramphenicol and Melamine etc

Storage: Store at 4-30 °C in dark, sealed, dry place, no frozen.

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