

Beta-Lactams and Tetracyclines Duplex rapid test strip

Catalogue No.: LSY-20082

PRODUCT DESCRIPTION

1. Brief

This product is used for testing Lactam antibiotics and Tetracyclines residue in raw milk, the whole test only needs about 15 minutes, suitable for all kinds of enterprises and Inspection agency.

Table 1: Detection limit of Lactam antibiotics and Tetracyclines residue ug/kg (ppb)

Name	Detection limit	Name	Detection limit
Penicillin G	4	Ampicillin	6
Amoxicillin	6	New penicillin III	30
Cloxacillin	6	Procaine penicillin	10
Penicillin V	10	Cefalotin	3
Cephalexin	3	Ceftiofur	10
Cephadrine	10	Cefadroxil	20
Cefaclor	20	Cephapirin	10
Cefazolin	60	Vanguard ADM 2	60
Ceftriaxone	60	Latamoxef	60
Cefotaxime	60	Cefamandole	60
Cefuroxime	60	Cefoperazone	60
Tetracycline	20	Aureomycin	100
Oxytetracycline	30	Doxycycline	80

2. Components

1) Lactam antibiotics and Tetracyclines duplex rapid test strip (50 pieces/kit)

2) Manuals (1 piece/kit)

3. Materials needed but not **provided**

Micropipette

4. Operation procedures

1) Unseal the package bag of test strip, take out Micro-well.

The test environment **temperature** must reach above 20°C. The frozen raw milk, with obvious granule, will easily lead to run the test strip un-completely, at this time, it must use heater or centrifuge to take the middle layer sample to test.

2) Use Micropipette to take 200ul raw milk (or 8 drops) into Micro-well, 2 minutes later, use dropper blow and beat raw milk(at least 10 times), mixing the gold and raw milk evenly (the red material in gold well must be dissolved completely), insert test strip into Micro-well (put the arrow end into Micro-well).

3) Read the result in 8~10 minutes.

5. Test Result Interpretation

5.1 Negative (—)

): 1 line is darker than or same as C line, it means Tetracyclines residue is lower than detection limit or no Tetracyclines residue, 2 line is darker than or same as C line, it means the Lactam antibiotics concentration is lower than detection limit or no Lactam antibiotics residue.

5.2 Positive (+): 1 line is lighter than C line, or 1 line is invisible, it means Tetracyclines residue is higher than detection limit, the lighter of 1 line compared with C line, the higher of Tetracyclines residue; 2 line is lighter than C line, or 2 line is invisible, it means the Lactam antibiotics concentration is higher than detection limit; The lighter of 2 line compared with C line, the higher content of Lactam antibiotics in sample.

5.3 Invalid: C line is invisible, maybe it is the operation error or test strip is invalid. Read the manuals, use new test strip to test again.

6. Precautions

- 1) Use the test card one time during expiry date.
- 2) Deal with waste properly.
- 3) Do not touch the white membrane surface in the middle of test card.
- 4) Do not repeat use the dropper, to avoid cross pollution.
- 5) Do not eat any of the reagents.
- 6) If need to test standard directly, we can offer solution.
- 7) Contact the supplier for any questions.

7. Specificity

This product has no cross-reaction with Quinolones, Chloramphenicol, Streptomycin and Sulfonamides.

8. Storage and expiry date

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

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