

## Beta-Lactam antibiotics rapid test strip

Catalogue No.: LSY-20044

### Product Description

#### 1. Brief

This product is used for testing Lactam antibiotics 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 residue ( $\mu\text{g}/\text{kg}$ )

Name	Detection limit	Name	Detection limit
Penicillin G	4	Ampicillin	6
Amoxicillin	10	New penicillin III	30
Cloxacillin	40	Procaine penicillin	10
Penicillin V	10	Cefalotin	3
Cephalexin	3	Ceftiofur	10
Cephradine	10	Cefadroxil	20
Cefaclor	20	Cephapirin	10
Cefazolin	100	Vanguard ADM 2	100
Ceftriaxone	100	Latamoxef	100
Cefotaxime	100	Cefamandole	100
Cefuroxime	100	Cefoperazone	100

#### 2. Components

- 1) Lactam antibiotics colloidal gold 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.
- 2) Use Micropipette to take 0.2ml raw milk into Micro-well, 3 minutes later, use dropper blow and beat raw milk (no less than 10 times), mixing the gold and raw milk evenly, insert test strip into Micro-well (put the end without yellow line into Micro-well).
- 3) Use dropper to absorb 2-3 drops into Sample collection region, read the result in 8~10 minutes.

#### 5. Test Result Interpretation

5.1 Negative(—): T line appears (T line, near Sample Collecting Region), T line is darker or has the same color with C line, it means the Lactam antibiotics concentration is lower than detection limit or no Lactam antibiotics residue.

5.2 Positive (+): T line is lighter than C line or T line is invisible, it means the Lactam antibiotics concentration is higher than detection limit. The lighter of T 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.
- 3) Avoid sunshine and fan blowing.
- 4) Do not touch the white membrane surface in the middle of test card.
- 5) Do not mix use the dropper, to avoid cross pollution.
- 6) Contact the supplier for any questions.

#### 7. Specificity

This product has no cross-reaction with 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.

#### **India Contact:**

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