

Gentamicin rapid test dipstick (milk)

Catalog No. LSY-20043

Product Description

1. Brief

This product is used for testing Gentamicin residue in milk sample (pure milk and fresh milk) and goat milk qualitatively, the whole test procedure only need 10min, easy to operate with high sensitivity.

2. **Detection limit in milk 50ng/ml (50ppb)**

3. **Specifications: 8 dipsticks/bottle, 12 bottles/box**

4. Principle

The Gentamicin rapid test dipstick is based on competitive inhibition immuno-chromatographic principle. In the flow process, Gentamicin in the sample combined with Gentamicin specific colloidal gold-labeled monoclonal antibody, Inhibit the combination between antibody and Gentamicin -BSA conjugate on Test line of NC membrane, lead to the color change of Test line.

When the sample has no Gentamicin residue or concentration lower than detection limit, T line appears; when the concentration is equal to or higher than detection limit, T line has no color. No matter whether there is Gentamicin residue in sample, C line will appear, it means the test is valid.

5. Contents

1	Gentamicin test dipsticks	8 dipsticks/bottle, 12 bottles
2	Red powder micro-wells	96 wells
3	Manual	1 piece
4	Desiccant	2 pieces/bottle

6. Operation procedures

6.1 Read the instruction carefully before use. Return test dipsticks and sample into room temperature.

6.2 Take bottles needed from the kit package, take out required micro-wells and dipsticks, making proper marks. Please use these test dipsticks within 1h. Seal the cap of the bottles, avoid moisture.

6.3 Take 200ul of the test samples into the micro-wells, then repeatedly absorb for 5 times, mix the sample with the reagent in the micro-wells completely until no solid judge by eyes (this is a very important step).

6.4 Incubate for 5min at room temperature (20-25°C), then insert the test dipsticks into the micro-wells with the "MAX" end fully dipped in to the mixture solution.

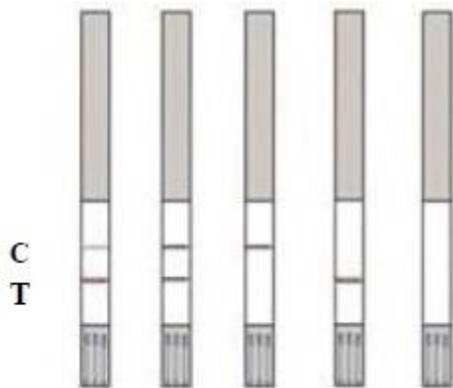
6.5 Incubate for 5-8min at room temperature again, read the result, it is invalid in other time.

7. Test Result Interpretation

7.1 **Negative:** both T line and C line appears. It means there is no Gentamicin residue in sample or the residue is lower than detection limit.

7.2 **Positive:** C line appears, T line is invisible. It means the Gentamicin residue is equal to or higher than detection limit.

7.3 **Invalidation:** C line isn't seen wine red. It means the test card 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.



Negative Negative Positive Invalid Invalid

8. Specificity

Test 500ppb Tetracyclines, Sulfonamides, Quinolone etc.the result is Negative.

9. Precautions

- 1) The test card can be used only once at room temperature, do not use test card out of expiry date.
- 2) Seal the cap of the bottles immediately after taking out the strips. Cup the bottles immediately if the 8 strips did not use completely, seal to store.
- 3) Do not touch the white membrane surface in the middle of test card, avoid sunlight and fan blowing directly.
- 4) Milk sample must be homogeneous liquid, do not have caking, sour and precipitation.
- 5) Test again for positive results.
- 6) Please contact the supplier for any questions.
- 7) The results of this test if for reference only, to confirm, please refer to National standard.

10. 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.

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