

Enrofloxacin rapid test strip (Milk) (DTS1012L)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Size 96T

Intended Use

Enrofloxacin rapid test strip is developed for rapid test of enrofloxacin contamination in milk.

General Description

Enrofloxacin (ENR) is a fluoroquinolone antibiotic sold by the Bayer Corporation under the trade name Baytril. It is a bactericidal agent. The bactericidal activity of enrofloxacin is concentration-dependent, with susceptible bacteria cell death occurring within 20–30 minutes of exposure. Enrofloxacin has demonstrated a significant post-antibiotic effect for both Gram-negative and Gram-positive bacteria and is active in both stationary and growth phases of bacterial replication.

Principles of Testing

Enrofloxacin rapid test strip is based on competitive indirect colloid gold immunochromatography technology, in which enrofloxacin in sample competes for the colloid gold labeled antibody with enrofloxacin coupling antigen captured on test line. The test result can be observed by naked eye.

Reagents And Materials Provided

1. Test strips (96tests): 8 strips/bottle, 12 bottles
2. Red powder microwells: 8 wells
3. Desiccants: 2 pieces/bottle
4. Product Manual: 1 pieces

Materials Required But Not Supplied

1. Balance
2. Pipette
3. Tip

Storage

The kit can be stored at room temperature (2-30°C). The test kit is stable through the expiration date marked on the foil pouch. DO NOT FREEZE. Do not store the test kit in direct sunlight.

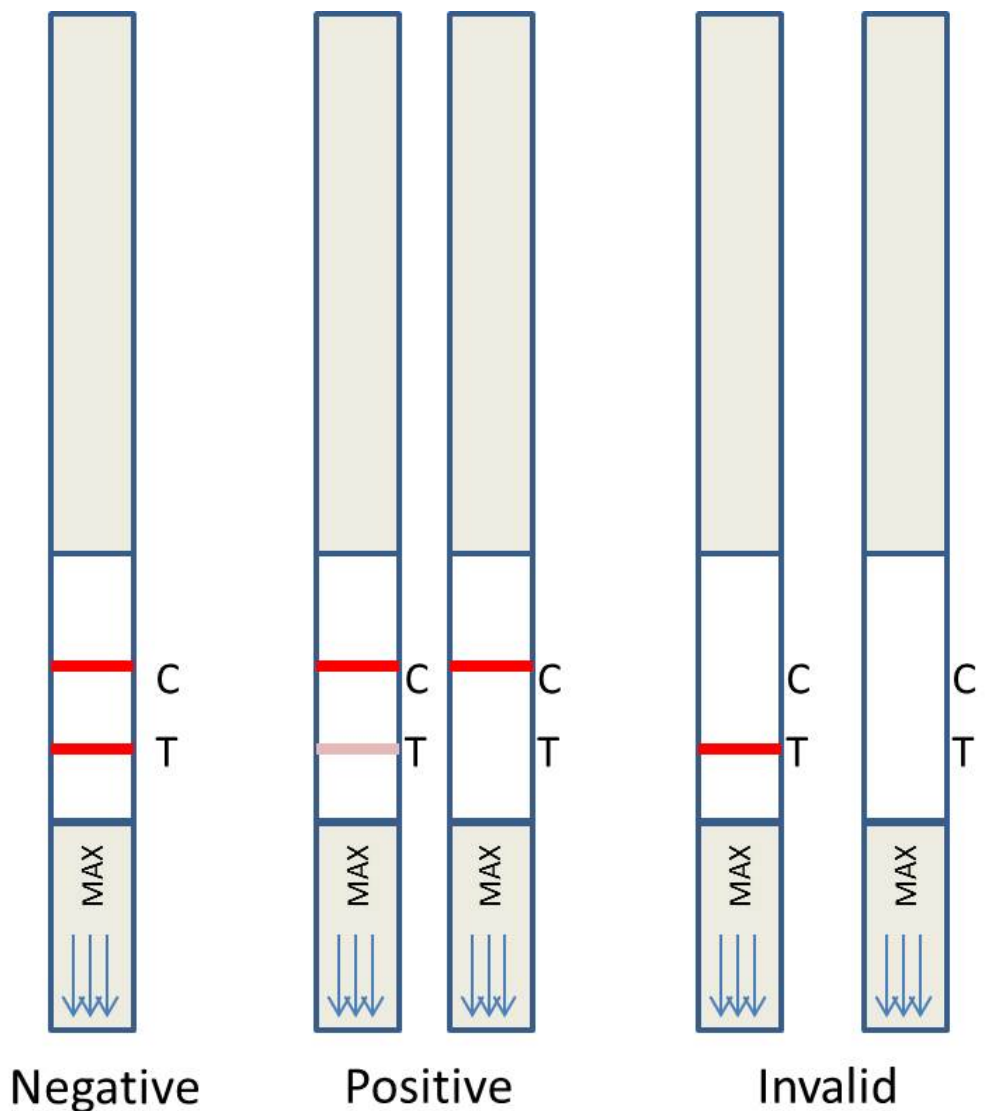
Specimen Collection And Preparation

1. Bring 2-3 mL of the under tested milk to room temperature (20-30°C).
2. Collect 1mL of milk sample into a centrifugal tube. Do centrifugation at 7000 rpm for 3-4 min to separate the fat component.

Assay Procedure

1. Please read the instructions carefully before use and return the test strips and samples to room temperature.
2. Take out the required microwells and test strips from the kit, making proper marks. Then seal the cap of the bottles, avoid moisture. (Please use the strips as soon as possible within 1 hour).
3. Use a pipette to pipette 200µL of sample into the microwell, and slowly aspirate five times until the mixture is uniform and no solid can be observed with the naked eye (this step is very important).
4. After incubating for 5 minutes at room temperature (20-25°C), insert the labeled strip into the microwell (the end printed with MAX and completely immerse it in the solution).
5. After immersing the test paper in the micropore for 8-10 minutes, judge the result according to the "Interpretation of Results", and the interpretation at other times is invalid.

Interpretation Of Results



1. Negative: Both Control line (C line) and Test line (T line) developed red color, indicating that the sample does not contain enrofloxacin or its concentration is below the detection limit.
2. Positive: Only Control line (C line) developed red color and Test line (T line) shows no color, or the color of T line is significantly weaker than C line, indicating that the enrofloxacin

concentration in the sample is equal to or higher than the detection limit.

3. Invalid: If there is no red line appears on Control line (C line), the result is invalid regardless of whether there is a red line on Test line (T line).

Sensitivity

The sensitivity of oxytetracycline in milk is 1 ppb.

Precautions

1. Test strips are used at room temperature for one time; do not use expired test strips.
 2. Disposable tips are not reusable to avoid cross-contamination.
 3. Do not to touch the white film surface in the center of the test strip during use; avoid direct sunlight and direct fan blow.
 4. Tap water, distilled water or deionized water cannot be used as a negative control.
 5. If you encounter any problems with the test, please contact the supplier.
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