
Tylosin Residue Rapid Test Strip (Milk)

Cat. No.: DTS992

Pkg. Size:

Intended use

The Tylosin Rapid Test is a competitive immunoassay for the semi-quantitative detection of the presence of Tylosin residue in milk.

General Description

Tylosin (MW = 916.14), is a macrolide antibiotic that is active against gram-positive and gram-negative bacteria. It is also effective in treating respiratory diseases caused by mycoplasmas. It is widely used as a feed additive for growth promotion as well as therapeutically in food producing animals, including cattle, chickens and swine. Tylosin is also used for the reduction of the incidence of liver abscesses caused by sphaerophorous necrophorous. Food and Drug Administration of the United States has set the guidelines for the allowable level of tylosin in animal feeds and the specific tolerance for tylosin in edible products of animals. Tylosin EIA kit is a rapid and simple detection system for tylosin in feed extract.

Principle Of The Test

The Tylosin Rapid Test is based on competitive lateral flow immunochromatographic assay. The Tylosin conjugate in the test zone will capture the immuno-gold (colloid gold- Tylosin antibody conjugate), when there is very little dissociative Tylosin in the samples. A visible red test band indicates a negative result when the control line (C zone) shows that the card is valid. The test band (T zone) will be not visible if Tylosin is present in concentration of 50 ppb and above which explains a positive result.

Reagents And Materials Provided

1. 10×foil pouches each contain one cassette, one pipette and a desiccant
2. 10×centrifugal tubes (1.5 mL)
3. Product Manual

Storage

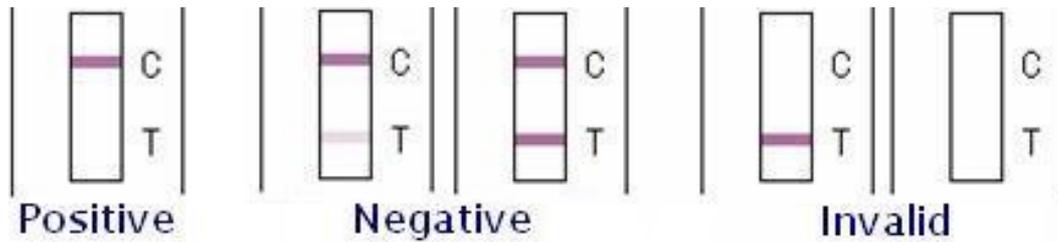
The kit can be stored at room temperature (2-30°C). The test kit is stable through the expiration date (18 months) marked on the foil pouch. DO NOT FREEZE. Do not store the test kit in direct sunlight.

Interpretation of Results

Positive: Only one clear band in C zone indicates a positive result. Positive shows that the concentration of Tylosin is at or above 50 ppb in the samples.

Negative: The presence of both clear band in C zone and T zone.

Invalid: No colored band appears in C zone.



Specificity

The results are negative when the test card is applied to detect 100 ppm of Chloramphenicol, Aminoglycosides, Erythromycin, Tetracycline and Beta-lactam.

Limit of Detection

Cut-off: 50 ppb

Precautions

1. For best results, please strictly adhere to these instructions.
2. All reagents must be at room temperature before running the assay.
3. Do not remove test cassette from its pouch until immediately before use.
4. Do not reuse the test kit.
5. Do not use the test beyond its expiration date marked on the foil pouch.
6. The components in this kit have been quality control tested as standard batch unit. Do not mix components from different lot numbers.

Limitations

The Tylosin Rapid Test is an useful tool offering a rapid and accurate testing in field screening, exceeding with its convenience. It provides a semi-quantitative method to detect the Tylosin above 50 ppb in milk. If you want a quantitative result, it is suggested to apply other method such as ELISA / HPLC in practice.