

CDIA™ Dexamethasone Colloidal Gold Test Strip (Milk)

Cat. No.: DTSJYJ091

Pkg. Size: 25T

Intended Use

The CDIA™ Dexamethasone Colloidal Gold Test Strip (Milk) is a lateral flow immunoassay for the detection of dexamethasone in milk.

General Description

Dexamethasone is a type of corticosteroid medication. It is used in the treatment of many conditions, including rheumatic problems, a number of skin diseases, severe allergies, asthma, chronic obstructive lung disease, croup, brain swelling, and along with antibiotics in tuberculosis. The long-term use of dexamethasone may result in thrush, bone loss, cataracts, easy bruising, or muscle weakness. The CDIA™ Dexamethasone Colloidal Gold Test Strip (Milk) is a lateral flow immunoassay for the detection of dexamethasone in milk.

Principle of the Test

Dexamethasone antigen is coated on the test region of the nitrocellulose membrane of the strips, and dexamethasone antibody is labeled with colloid gold. During a test, the colloid gold labeled antibody coated in the strip move forward along the membrane, and a red line will show up when the antibody gathers with the antigen in the test line; if dexamethasone in the sample is over the detection limit, line T is blank; on the other wise, if dexamethasone in the sample is less than the detection limit, line T is red.

Reagents And Materials Provided

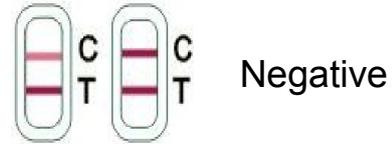
1. Test strip (including a colloidal gold microwell), 25T
2. Kit Insert

Assay Operation

1. Remove the test strip and use it as soon as possible.
2. Deliver the 200 µL (8 drops) of the milk into the colloidal gold microwell. After reaction for 2 minutes, mix the solution well in the microwell. Put the microwell into a 50 °C Incubator for 3 min.
3. Put the strip into the microwell, and the sample pad is fully immersed in the milk sample.
4. Reaction time: 5 minutes. Do not read results after 15 minutes.

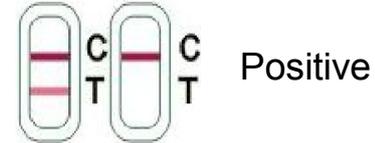
Results

Negative: The color of T line is the same as or deeper than the C line, indicating that the concentration of dexamethasone in sample is less than 0.3 ppb or no dexamethasone residues.

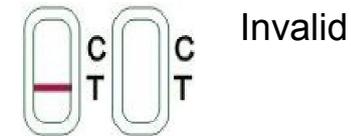


Positive: The color of T line is lighter than C line, indicating that the concentration of dexamethasone in sample is higher than 0.3 ppb.

The lighter color of T line is, the higher concentration of dexamethasone in sample is.



Invalid: Line C has no color, which indicates the strips are invalid. In this case, please read the instructions again, and redo the assay with a new strip.



Limitation

1. The CDIA™ Dexamethasone Colloidal Gold Test Strip (Milk) provides only a qualitative, preliminary analytical result. A secondary analytical method need to be used to obtain a confirmed result.
2. Technical or procedural errors, as well as other interfering substance in the specimen may cause falseness.

Detection Limit (LOD)

0.3 ppb

Storage

Store at 2-30°C. DO NOT FREEZE or use beyond the expiration date. The shelf life is 18 months.

Notice for Operations

1. Please do the assay following the instruction. Do not touch the membrane of the strip.
2. This strip is used for only once; please do not use it repeatedly.
3. This dropper is used for only once to avoid cross contamination.
4. Put the strip into the microwell immediately to ensure the consistency of the incubation time of sample.
5. Heat the frozen raw milk (particles appearing obviously) with a heater, or take the middle layer for testing after centrifuging.

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