

Instructions for Use

Version: 1.0.1

Revision date: 23-Aug-22

Cattle and Goat Tuberculosis Antibody Rapid Test Kit

Catalog No.: abx092019

Size: 40 tests

Storage: Store all reagents at 2-30 °C. Keep dry.

Application: For qualitative detection in Cow and Goat serum and whole blood.

Introduction and assay principle

Abbexa's Cattle and Goat Tuberculosis (CGT) Antibodies Rapid Test Kit is based on the gold immunochromatography assay (GICA) principle. Any CGT antibodies present in the samples combine with the colloidal gold particles labelled with the target antigen, producing a purple color within 15 minutes.

Kit Components

- Test cassettes: 40
- Disposable pipettes: 40
- Sample diluent: 40 vials

Material Required But Not Provided

- Timer

Sample preparation

- Serum and plasma samples should be collected using conventional methods and stored between 2-8 °C for short-term storage (up to 1 week) or -20 °C for long-term storage.
- Whole blood should be anticoagulated and tested immediately or stored at 2-8 °C for up to 24 hours.
- Fresh samples are recommended. Avoid repeated freeze/thaw cycles, bacterial pollution, visible particles; and avoid cloudy, hemolytic, or viscous samples.

Assay procedure

1. Using the provided pipette, add 1 drop of serum or plasma sample or 2 drops of whole blood sample to 1 vial of sample diluent. Mix thoroughly by pipetting up and down slowly, and avoid foaming.
2. Take a test cassette and lay it flat on a clean table. Add 2-3 drops (approximately 60 µl) of diluted sample to the sample well on the cassette.
3. Leave at room temperature for 10-15 min, then analyze the result.

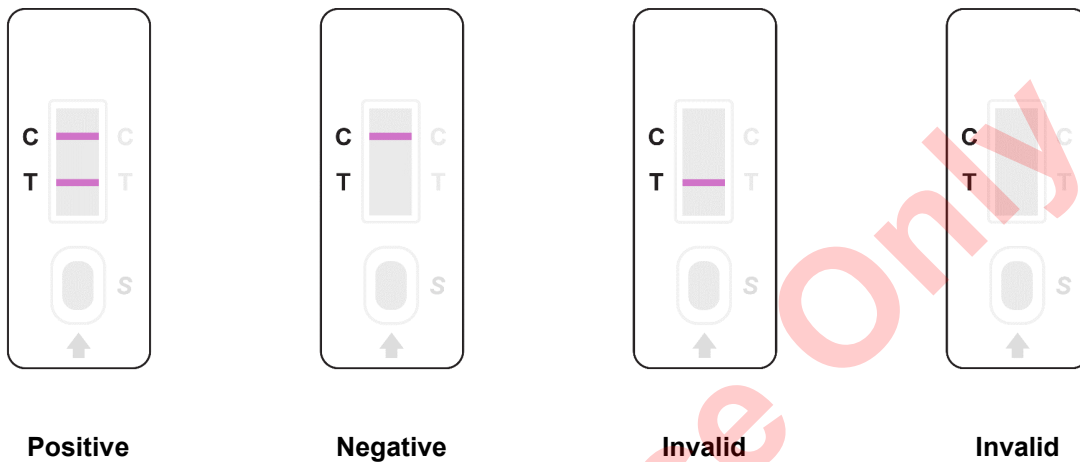
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Results analysis

- **Negative result:** A purple line is observed in the control (C) section but not the test (T) section.
- **Positive result:** Purple line is observed in both the control (C) section and the test (T) section.
- **Invalid result:** No purple line is observed in the control (C) section.



Notes

1. The test cassettes should be brought to room temperature before use.
2. After opening the aluminum foil, use the test cassette as soon as possible.
3. Samples should be clear with no visible particles, turbidity or bacterial pollution.
4. Do not mix or re-use the disposable pipettes to avoid cross-contamination.
5. Do not use water, PBS, or similar solutions as the negative control.
6. Avoid touching the cassette membrane through the sample well or test result window.
7. A positive result indicates that the sample is positive for tuberculosis antibody, a negative result indicates that the sample is negative for tuberculosis antibody.
8. This kit is suitable for qualitative detection of CGT antibodies. The intensity of the color of the test line can give a rough estimate (high, medium, low) to the concentration of antibody present in the sample.
9. This kit is for research use only and the results are for reference only. It is recommended to use this kit in conjunction with another detection method.
10. All waste should be disposed appropriately. Please note that you may need to follow special waste disposal procedures for infectious samples. Please check local disposal regulations.