

Instructions for Use

Version: 1.0.2
Revision date: 27-Jul-23

Brucella Antibody (Anti-Brucella) Rapid Test Kit

Catalog No.: abx092069

Size: 40 tests

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

Application: For qualitative detection in serum and milk samples.

Introduction and assay principle

Abbexa's Brucella Antibody (Anti-Brucella) Rapid Test Kit is based on the gold immuno-chromatography assay (GICA) principle. Any Brucella antibody present in the samples combines with the colloidal gold particle-labelled Brucella antigen. When the concentration of Brucella antibody in the sample is more than the detection limit, there is a color change in the detection line and the result is positive. When the concentration of Brucella antibody in the sample solution is less than the detection limit, there is no color change in the detection line and the result is negative.

Kit Components

- Test cassettes with pipettes: 40
- Buffer solution: 40 vials
- Pipettes: 40

Material Required But Not Provided

- Timer

Sample preparation

- **Serum:** Serum 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. Fresh samples are recommended. Avoid repeated freeze/thaw cycles, bacterial pollution, visible particles; and avoid cloudy, hemolytic, or viscous samples.
- **Milk:** Milk samples can be used directly. Fresh milk samples are recommended.

Assay procedure

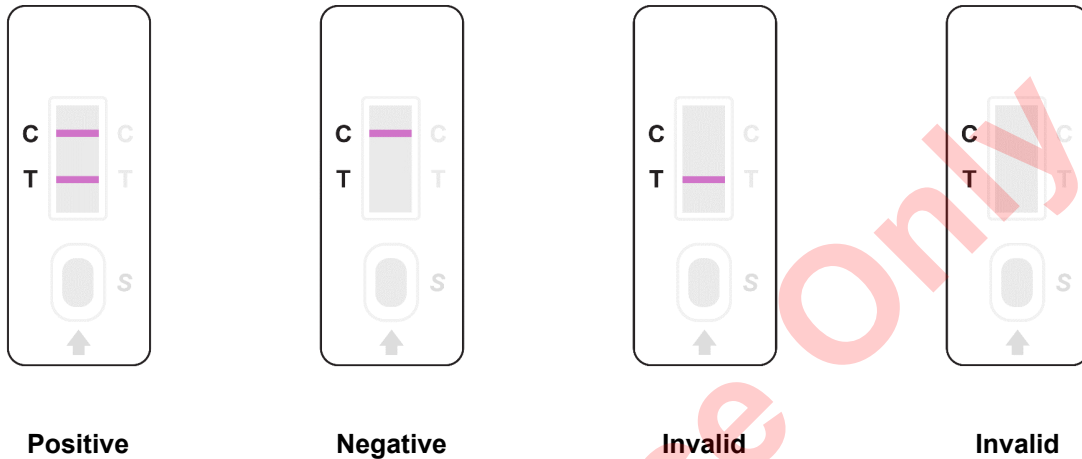
1. Dilute the sample using the provided pipette by adding 1 drop of serum or 2 drops of milk to a Buffer solution vial. Mix fully using the provided pipette, slowly and vertically. Avoid foaming.
2. Take a test cassette and lay it flat on a clean table. Add 3 drops (approximately 60 µl) of diluted sample to the sample well on the test cassette using the pipette provided with the cassette.
3. Leave at room temperature for 10-15 min, then analyze the result.

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Results analysis

- **Positive result:** A colored line is observed in both the control (C) section and the test (T) section.
- **Negative result:** A colored line is observed in the control (C) section but not the test (T) section.
- **Invalid result:** No colored 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. This kit is for qualitative detection of Brucellosis antibodies in serum and milk samples from cow, goat, sheep and pig. For other sample types, a preliminary experiment is recommended to determine compatibility with this kit.
8. 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.
9. 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.