

Instructions for Use

Version: 1.0.2

Revision date: 4-Oct-23

Brucellosis Antigen Rapid Test Kit

Catalog No.: abx092116

Size: 40 tests

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

Application: For qualitative detection in goat, sheep and cow serum or plasma.

Introduction and assay principle

Abbexa's Brucellosis Antigen Rapid Test Kit is based on the gold immuno-chromatography assay (GICA) principle. The cassette contains a colloidal gold conjugated antibody against Brucellosis Antigen, which combines with any Brucellosis Antigen present in the samples. The complex binds with the antibody coated on the test region of the cassette. A colored band develops within 20 minutes in the test region if the concentration of Brucellosis Antigen in the sample is higher than the detection limit. A control region on the upper end of the cassette confirms if the test has been successful.

Kit components

- Test cassettes (packaged in foil pouches containing disposable pipettes): 40
- Sample Diluent: 40 vials

Sample preparation

- Serum and plasma samples should be collected using conventional methods. Samples should be stored between 2-8 °C for short-term storage (up to 1 week) or -20 °C for long-term storage.
- Avoid hemolysis, turbidity, lipidemia, repeated freeze/thaw cycles and samples which contain bacteria or visible particles, as this may cause false positive results.

Assay procedure

1. Take a test cassette and lay it flat on a clean table.
2. Open a Sample Diluent vial. Using the provided disposable pipette, add 4 drops of sample to the Sample Diluent vial. Mix by slowly pipetting up and down.
3. Add 2-3 drops (approximately 60 µl) of diluted sample to the sample well.
4. Leave at room temperature for 15-20 min, then analyze the result.

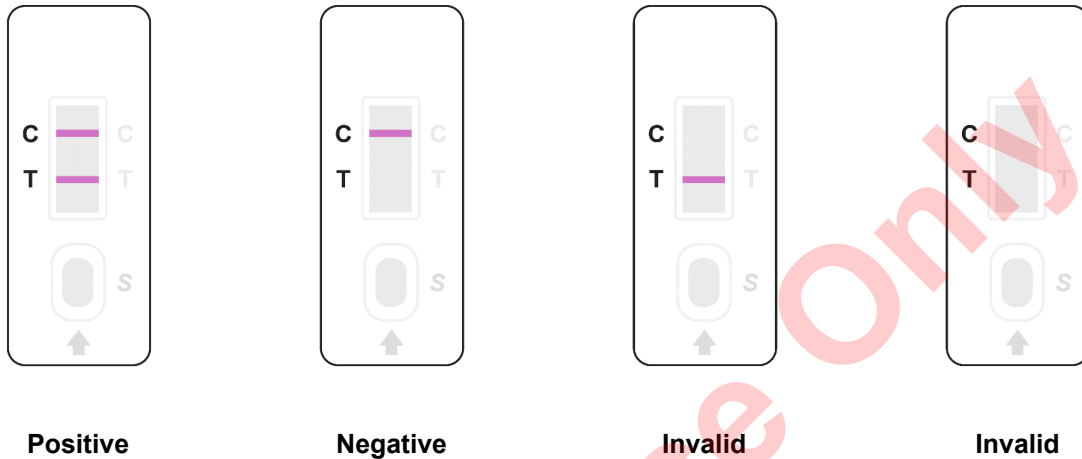
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Results analysis

- **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 Antigen in goat, sheep and cow serum or plasma samples.
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.