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Your Molecular & Cell Technology Partner

SKU IP100148
LT57002AYSL

GOAT BRUCELLA ANTIBODY RAPID TEST

Research Use Only

For *in vitro* applications - not for consumption

1800-120-2434

CUSTOMERSERVICE@LIFETECHINDIA.COM

VERSION 1.2B

INTENDED USE

The Goat Brucella Antibody Rapid Test kit is a quick-to-use immuno-chromatographic technique to detect Brucella Antibody (Ab) in Goat serum, plasma and whole blood qualitatively.

KIT CONTENTS

G. Brucella Ab Test Cassette [25 pieces]

Dropper [25 pieces]

Sample Buffer [25 pieces]

Manual [1 piece]

Specifications: 25 tests/kit

Storage: 4-25°C in dark, sealed, dry place.

Expiry: Mentioned on the box.

SUMMARY AND PRINCIPLE

When the sample is added in the well 'S', Brucella Ab, if present, in the sample combines with the free antigens coated with gold nanoparticles, forming antigen-antibody complex which moves towards the other end of the test cassette by capillary action. When this complex reaches the T-line, where Brucella Ab specific antibodies are *immobilized*, it captures the antigen-antibody complex and a colored band is formed at T line. In the absence of Brucella Ab, no colored band formation occurs at T line.

The C line has immobilized antibody which binds to the gold labeled antigens that have reached this end by capillary action, forming a colored band at C line.

This test kit cannot be used to distinguish antibody produced by wild virus infection or vaccine immunization.

SAMPLE PREPARATION

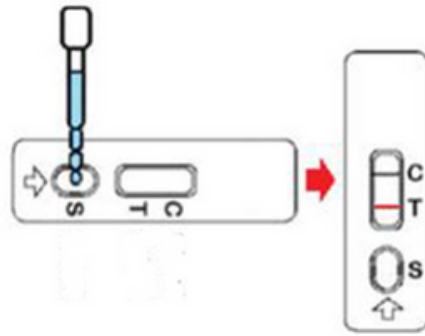
Serum: Collect blood, put at 37°C for 1-2 hours. Take the supernatant, centrifuge at 1500 r/min for 10 min to separate the serum. The serum can be stored for 2-3 days at 4°C. However, for long term storage, store at -20°C.

Plasma: Collect plasma using EDTA or heparin as an anticoagulant. Centrifuge samples for 15 minutes at 1,000×g at 2-8°C within 30 minutes of collection. Remove plasma and assay immediately or store samples in aliquot at -20°C or -80°C for later use. Avoid repeated freeze/thaw cycles.

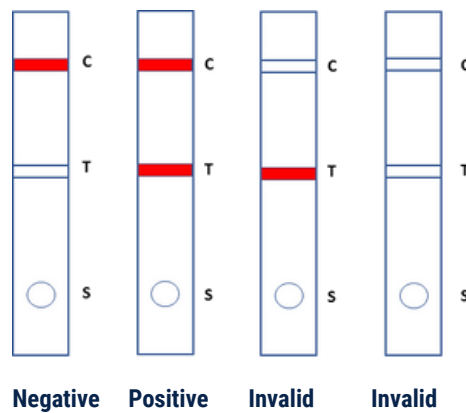
Whole blood: Collect anticoagulated whole blood and use it to test on the same day. If no anticoagulant is added, 1-2 drops (no more than 2 drops) of blood collected with a syringe should be used immediately after shaking in the buffer tube. Or the blood sample collected with a cotton swab can be squeezed and shaken in the buffer tube for immediate detection.

PROCEDURE

- 1) Read the manual carefully and bring the test card and sample to room temperature before use.
- 2) Take out test card, use the dropper to absorb the prepared whole blood sample directly, take 3-4 drops into well marked as "S". If testing serum sample, firstly take 1 drop serum sample into sample buffer tube, mix it evenly, then take 3~4 drops mixed buffer into well marked as "S". If the sample quantity is small, then you can use micropipette to transfer 5ul sample into well marked as "S" first, then add 3-4 drops of sample buffer into it.
- 3) Keep the card at room temperature for 5-10 minutes and analyse the result.



RESULT



Negative (-): Pink/Red/Purple colored band is visible only on Control Line (C Line) but not on Test Line (T Line) should be inferred as the absence of Brucella Ab in the tested sample. Or the Ab level is lower than the detection threshold.

Positive (+): Pink/Red/Purple colored band is visible on both Control Line (C Line) and Test Line (T Line) should be inferred as the presence of Brucella Ab in the tested sample.

Invalid: If No color is seen in Control Line (C Line) then irrespective of presence or absence of colored band on T Line, the test is invalid. Another kit should be used for testing.

NOTE

- 1) The test card can be used only once at room temperature, do not reuse or use test card out of expiry date.
- 2) Bring all the reagents and sample at room temperature before use. When the test card is unsealed, please use it as soon as possible.
- 3) Do not use water or other liquids as a negative control for testing.
- 4) Avoid repeated freezing and thawing of samples.
- 5) Be careful when preparing the sample. Wear glove and mask.
- 6) This product is only for in vitro rapid diagnostic veterinary use, cannot be quantified, do only qualitative testing.
- 7) The product test results for reference only, for confirmation, please refer to the relevant national standard methods.

TROUBLESHOOTING

We understand research is challenging as it is but it can get very frustrating when experiments themselves don't go as they should. That is the precise reason why we strive to ensure that all our products work for the application shown in their respective data sheets.

Still if you have any concerns please feel free to write to us at customerservice@lifetechindia.com



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