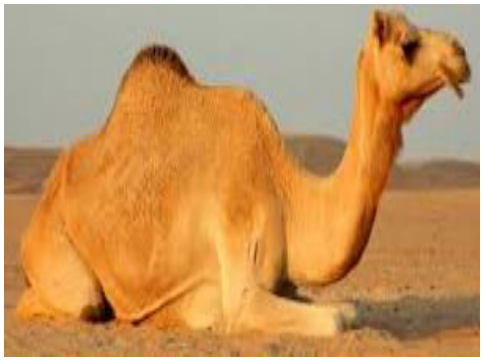
Camel Brucella Antibody Rapid detection test



One step Rapid Immuno-chromatographic test for the detection of Brucella antibodies in Whole blood/serum/ plasma of Camels.

Brucellosis is a zoonotic infection caused by the bacterial genus Brucella [*Brucella* abortus and *Brucella* melitensis] in camels and many other animals. The bacteria are transmitted from animals to humans by ingestion through infected food products, direct contact with an infected animal, or inhalation of aerosols. The disease is an old one that has been known by various names, including Mediterranean fever, Malta fever, gastric remittent fever, and undulant fever. Humans are accidental hosts, but brucellosis continues to be a major public health concern worldwide and is the most common zoonotic infection. The disease typically causes chronic inflammatory lesions in the reproductive organs of susceptible animals or orchitis and may even affect joints and other organs. The most common symptom is abortion in pregnant susceptible hosts at any stage of gestation. Other manifestations are temporary or permanent sterility, lameness, and posterior paralysis, spondylitis, and abscess formation. It is transmitted mainly by ingestion of infected tissues or fluids, semen during breeding, and suckling infected animals. Brucella organisms, which are small aerobic intracellular coccobacilli, localize in the reproductive organs of host animals, causing abortions and sterility. They are shed in large numbers in the animal's urine, milk, placental fluid, and other fluids.

Assay Overview and Usage

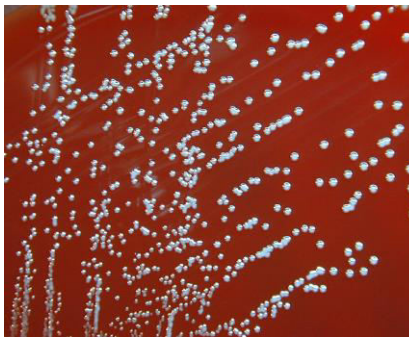
Organism detected	**IgG antibodies of *Brucella abortus* and *Brucella melitensis***
Sample type	**Whole blood, serum, plasma**
Shelf Life	**24 months**
Storage	**2-30 °C**
Capture Antigens	**Purified LPS antigen**
Sensitivity	**95.5%**
Specificity	**99%**
Comparison Test	**ELISA**
Species	**Camel**
Packing	**1T, 10T, 30T, Bulk, Uncut sheets**
Ref. No	**Q071-01**

Why Brucella Test

- Brucellosis is Zoonotic, so infected animals in food chain are potential source of human infections.
- Affect the productivity of animals, economic loss to the farmers.
- Vigilance programs and epidemiological studies.

Rapid Brucella Testing

- Quick results available in just a few minutes.
- Require no instrumentation.
- Easy to use.
- Allows decentralized implementation (do not require serum transport).
- No capital expenditure.
- Able to execute the test and read result in the field itself.
- Do not require refrigerated storage..



Blood collection by ear prick
No need for Jugular Bleeding!!!!

Collect 10µl sample

drop to test cassette

2 drops of Buffer

Positive

Negative

Invalid

Test Interpretation