

## **Bovine Brucella Antibody** Rapid detection test

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

> Bovine brucellosis, caused by the bacterium Brucella abortus, is an economically important cause of abortions in cattle. Brucellae are intracellular bacteria that cause brucellosis, a chronic disease of domestic and wild animals and humans. B. abortus also affects other species including bison, buffalo and elk; some species are maintenance hosts for this organism. Infections in wildlife can hinder eradication efforts in cattle. In addition, B. abortus is a human pathogen. In humans, brucellosis can be a serious, debilitating and sometimes chronic disease that may affect a variety of organs. Most cases are the result of occupational exposure to infected animals, but infections can also occur from ingesting contaminated dairy products. The ability of these bacteria to invade, survive for long periods of time and multiply within host cells is critical for disease causation. All Brucella species establish persistent infection in the reticuloendothelial system of their natural hosts.

> quickVET Bovine Brucella abortus Antibody Rapid Test utilizes Brucella abortus LPS to capture the antibody developed during infection.











### **Assay Overview and** Usage

Organism detected	IgG antibodies of Brucella abortus, melitensis
Sample type	Whole blood, serum, plasma
Shelf Life	24 months
Storage	2-30 °C
Capture Antigens	Purified LPS antigen
Sensitivity	96.8%
Specificity	99.1%
Comparison Test	Complement Fixation Test
Species	Bovine, Ovine & Caprine
Packing	1T, 10T, 30T, Bulk, Uncut sheets
Ref. No	Q005-04

#### Why Brucella Test

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





# ..for the Cattle Class

The New Standard...

#### **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..





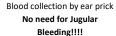


Negative



Invalid

**Test Interpretation** 



Collect 10µl sample

drop to test cassette

2 drops of Buffer