

Bovine Brucella Antibody

Rapid detection test

The New Standard..



..for the Cattle Class

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..



Positive



Negative



Invalid

Test Interpretation

Assay Overview and Usage

Organism detected	IgG antibodies of <i>Brucella abortus</i>, <i>melitensis</i>
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, 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.

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.



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



Collect 10µl sample



drop to test cassette



2 drops of Buffer



10 min