



One step Rapid slide agglutination test kit for the detection of Brucella antibodies in serum of Bovine.

Bovine brucellosis, caused by the bacterium *Brucella abortus*, is an economically important cause of abortions in cattle. *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. In addition, *B. abortus* could be used in a bioterrorist attack.

quickVET RBPT test utilizes inactivated Rose Bengal stained *Brucella abortus* organisms to capture the antibody developed during infection. The antigen antibody reaction produces agglutination which can be visualized directly.

Assay Overview and Usage

Organism detected	Antibodies of <i>Brucella abortus</i> , <i>melitensis</i> and <i>suis</i>
Sample type	Serum, plasma
Shelf Life	12 months
Storage	2-8°C
Capture Antigens	Inactivated <i>B. abortus</i> S99 bacteria
Species	Bovine, Ovine & Caprine, swine, Human
Packing	100T
Ref. No	Q024-01
Kit components	RBPT antigen Reusable Slide
RBPT Antigen	3ml, 10ml, 20ml, 100ml

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.

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.



Negative Positive
Test Interpretation

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Blood collection serum Separation mix antigen and serum

