



Rapid Brucella Testing

- Quick results.
- 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.
- Herd Screening.

TEST INTERPRETATION

- If the blue colour in the cream layer at the top of the fluid column is deeper than the remaining milk column (i.e., presence of a coloured ring) the test is considered positive.
- If the intensity of colour in the cream layer is equal to or less than in the milk portion, the test is considered negative.

Manufactured by

ubio Biotechnology Systems Pvt Ltd
 Plot # 15A, Biotechnology Zone
 KINRA Hi-Tech Park,
 Kalamassery, Cochin, Kerala, India 683503

• Tel.No: +91-484-2970043
 +91 9744122269

• E mail: contact@ubio.in

• Web: www.ubio.in

Usage

Organism detected	Antibodies of <i>Brucella abortus, melitensis</i> and <i>suis</i>
Sample type	Milk
Shelf Life	12 months
Storage	2-8°C
Capture Antigens	Inactivated <i>B. abortus</i> S99 bacteria
Species	Bovine
Packing	100T
Ref. No	Q059-01
MRT Antigen	3 ml, 10 ml, 20 ml, 100 ml



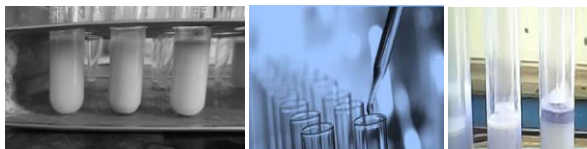
HOW TO DO

- Take Milk sample in a narrow (11mm X 100mm) test tube.
- Add One drop(0.03ml) of the antigen, mix well.
- Incubate the tubes for 1 hour at 37 °C.
- The test is read using a uniform light source.

One step Milk ring test antigen for detection of Brucella antibodies in Milk of Bovines.

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 MRT test utilizes inactivated haematoxy line stained *Brucella abortus* organisms to capture the antibody developed during infection. The antigen antibody reaction produces a distinct blue ring in the top cream layer of milk.



Milk collection

Add antigen

Blue ring at the top- Positive

