

Bovine TB Ab

Mycobacterium bovis antibody

Bovine tuberculosis is a chronic infectious disease caused by *Mycobacterium bovis*. Bovine tuberculosis infection is usually diagnosed in the live animal on the basis of delayed hypersensitivity reactions. Subclinical infection is common and clinical signs are non-specific in many cases. A sensitive and accurate diagnostic tool is required because purified protein derivative (PPD) test has only a 65.6% sensitivity (Wood et al., Vet. Microbiol, 40:125-135, 1994) and other mycobacterium infection (eg; *M. avium*) should be distinguished with this method. The MPB 70 protein was revealed to be a highly species specific protein secreted by *Mycobacterium bovis*. Anigen rapid bovine TB Ab test kit has been developed using MPB70 protein with a immunochromatographic assay method.



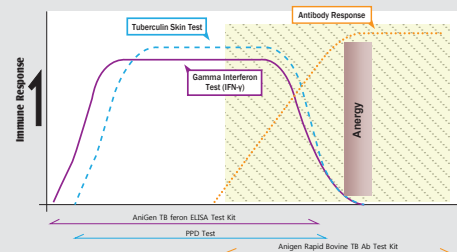
Indications

- Search out BTB carrier in field
- Screening for test and slaughter government policy
- First step for massive screening instead of PPD in short-handed situation
- Combine with PPD or IFN- γ assay in eradication system

Special Features

- No cross reaction against other mycobacterium species (*M. avium*)
- Easy to use, saving time and labor
- Specimen: Blood, Plasma, Serum
- Sensitivity: 81.7% vs. PPD test, 84.2% vs. "E" commercial ELISA
- Specificity: 91.4% vs. PPD test, 84% vs. "E" commercial ELISA

Immune development of bovine tuberculosis



Anigen Rapid BTB Ab Test Kit detects mid to late (anergy) stage of TB affected cattle by immunochromatographic assay (Applicable in field assay)

Generally, *M. bovis* Ab is detectable 90 to 100 days after infection

Test Procedures

1 Whole blood : Start from Step 2
Plasma or serum : Start from Step 4

2 Add 3 drops of whole blood diluent into the test tube.

3 Add 1 drop of whole blood into the test tube and wait for 1 minutes to mix it.

4 Add 1 drop of the mixed sample and wait for another 1 minute.

5 Add 3 drops of developing buffer.

20 min.

Interpretation

C	T	Negative
C	T	Positive
		Invalid
C	T	Invalid

Ordering Information

Cat. No.	Description	Type	Packing size
RB23-02DD	Rapid Bovine TB Ab	Device	1 Test x 10/Kit