

2014-12-23

## BOVICHEK<sup>®</sup> M. avium ssp paratuberculosis (Johne's)



PRODUCT CODE: TRM-524

### DESCRIPTION

This is an immunoenzymatic assay for the detection of antibodies against Mycobacterium avium ssp paratuberculosis (Map) in bovine serum.

### SUMMARY AND EXPLANATION

Map is the etiological agent of Johne's disease (synonym: paratuberculosis). This disease affects several ruminant species. Map multiplies in the intestinal mucosa and induces a progressive enteritis resulting in chronic diarrhea, wasting, drop in milk production and eventually death.

The diagnosis of Johne's is based on the demonstration of Map in the feces or tissues or of Map specific antibodies in the serum or milk. The most sensitive serological assays to detect Map specific antibodies are enzyme linked immune enzymatic assays (ELISA). The sensitivity of these tests increases with the progression of the infection.

Some animals free from Map have antibodies directed against other environmental mycobacteria that may cause non-specific reactions. Pre-treatment of their sera with selected mycobacteria allows removing these non-specific antibodies.

### CHARACTERISTICS

- Test per kit: up to 92 samples
- Indirect ELISA
- Absorption of the samples with selected mycobacteria
- Results within two hours



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**ASSAY PROCEDURE****INCUBATION TIME/ TEMP.**

1. Incubation of the samples with the absorbent	30 minutes at 23°C ± 2°C
2. Incubation of the absorbed samples	30 minutes at 23°C ± 2°C
3. Successive washings	
4. Incubation with the conjugate	30 minutes at 23°C ± 2°C
5. Successive washings	
6. Stop the reaction	
7. Incubation with the substrate	30 minutes at 23°C ± 2°C
8. Plate reading (450 nm)	

**IMPORTANT :**

- Requires a permit to release veterinary biologics from CFIA in Canada. This product is not licensed by CFIA and any claims made have not been substantiated by CFIA.
- Requires a Research and Evaluation import permit from the USDA in the US. This product is not licensed by the USDA and any claims made have not been substantiated by the USDA.