

2014-12-23

BOVICHEK® Lepto HP



PRODUCT CODE: TRM-533

DESCRIPTION

This is an immunoenzymatic assay for the detection of antibodies against *Leptospira pomona* and *hardjo* in bovine serum.

SUMMARY AND EXPLANATION

Controls and bovine serum samples are incubated in wells coated with either *L. pomona* or *L. hardjo* antigens (Ag). The antibodies (Ab) specific to *L. pomona* or *L. hardjo* present in positive serum samples will bind the Ag in the wells. After several washes to eliminate unbound substances, a conjugate (protein G coupled to peroxydase) is added. After incubation the excess of this conjugate is eliminated by a second series of washes and its attachment to bovine antibodies is revealed with a chromogenous substrate. The conjugate, if present, reacts with the substrate and a blue color develops. The reaction is then stopped and the optical densities are read. The intensity of the color is proportional to the quantity of Ab in the serum samples.

CHARACTERISTICS

- Indirect ELISA
- Specific antigens of *Leptospira Hardjo* and *Pomona*
- Fast execution: less than 2 hours
- 96 tests for *Leptospira Hardjo* et *Pomona* kit

ASSAY PROCEDURE

INCUBATION TIME/ TEMP.

1. Serum dilution	
2. Samples incubation and control	30 minutes at 23 + 2°C
3. Successive washes	
4. Conjugate incubation	30 minutes at 23 + 2°C
5. Successive washes	
6. Reading with substrate	15 minutes at 23 + 2°C
7. Stopping enzymatic reaction	
8. Measuring optical densities	
9. Calculation and interpretation of results	



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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.