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BOVICHEK® Neospora



PRODUCT CODE: TRM-500

DESCRIPTION

This is an immunoenzymatic assay for the detection of antibodies against *Neospora caninum* in bovine serum and milk.

SUMMARY AND EXPLANATION

Neospora caninum is a protozoa identified by Dubey et al. in 1988. In cattle, this protozoa is responsible for an important proportion of spontaneous abortions. Once the animal is infected, the chance of it undergoing abortion is 2- to 3-fold greater than in noninfected animals. Furthermore, if abortion does not occur, the animal will likely, 8 times out of 10, give birth to infected cattle.

CHARACTERISTICS

- Indirect ELISA: Specific antigens to *N. caninum* (Strain NC-1)
- Rapid (less than 2 hours)
- Maximum number of samples tested per kit : 2 x 90
- When considering suspicious results as positive:
 - the relative sensitivity of this test is 99.4% (95% CI = 96.1 – 100%)
 - the relative specificity is 99.1% (95% CI = 98.1 – 99.6%).

ASSAY PROCEDURE

INCUBATION TIME/ TEMP.

1. Preparation of samples	
2. Incubation of samples and controls	45 min / 37°C
3. Successive washes	
4. Incubation with conjugate	30 min / 37°C
5. Successive washes	
6. Revelation with substrate	15 min / 23°C
7. Stop the reaction	
8. Reading optical densities	405 nm and reference filter at 490 nm



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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.