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Removing Brucellosis from the farm. PrioCHECK® Brucella Ab



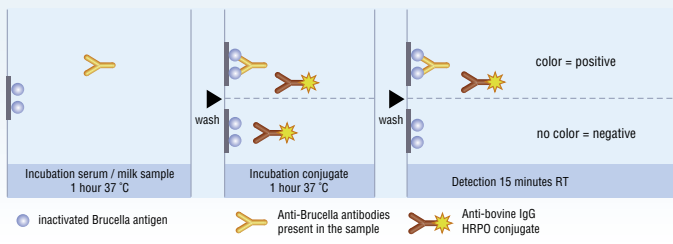
A RELIABLE TOOL FOR BRUCELLOSIS SCREENING AND ERADICATION
PROGRAMS.

PrioCHECK® Brucella Ab

Rely on PrioCHECK®



PrioCHECK® Brucella Ab



PrioCHECK® Brucella Ab

Prod. No. 7610408 2 plate strip kit (176 tests)
Prod. No. 7610400 5 plate kit (440 tests)

BRUCELLOSIS

Brucellosis is a globally widespread bacterial disease which affects ruminants and other animal species. Moreover, it is a serious zoonosis. The main causative agents are *Brucella abortus* and *Brucella melitensis*. Clinically, brucellosis is characterized by abortion, retained placenta, orchitis, epididymitis and arthritis. Bacteria are mainly excreted via uterine discharges, semen and milk. Abortion material and non-pasteurized milk including its products are the most important sources of human infections. Especially *Brucella melitensis* is highly pathogenic for humans and may cause undulating fever.

Prionics offers a highly sensitive and specific ELISA test for the diagnosis of Brucellosis in cattle, sheep and goats.

WHAT ARE THE BENEFITS OF THE PrioCHECK® BRUCELLA Ab?

The **PrioCHECK® Brucella Ab** is an indirect ELISA for the detection of antibodies of the IgG1 class in serum and milk of cattle, goat and sheep. The test is a modification of the test described by Bercovich et al*. The test meets the requirements of the EU directive 64/432, as well as the criteria of the World Organization for Animal Health (OIE). In addition, the test results meet the criteria of the OIE International Standard serum panel.

The **PrioCHECK® Brucella Ab** is a valuable tool in screening and eradication programs for Brucellosis, due to its high sensitivity and specificity.

SENSITIVE AND SPECIFIC BRUCELLOSIS DETECTION

Detection of *Brucella abortus*

The specificity of the **PrioCHECK® Brucella Ab** was tested on more than 2000 negative serum samples and resulted in a specificity of 98%. Anti-*Brucella abortus* antibodies are detected as early as 2 weeks after infection and specific antibodies are detectable for at least 26 weeks. Specificity in milk was investigated using over 1600 bulk milk samples and was shown to be >99%. An evaluation of positive milk samples indicated that the **PrioCHECK® Brucella Ab** is also a reliable tool to test bovine milk samples (sensitivity 100%).

Detection of *Brucella melitensis*

Specificity was investigated by testing slightly over 1400 negative sera samples of sheep and goats and was shown to be 100%. The **PrioCHECK® Brucella Ab** also scored excellent results with *Brucella melitensis* infected samples. The sensitivity of the test, as determined with 105 sera originating from sheep and goats, scored 100%.

* Bercovich, Z. and Taaijke, R. (1990) Enzyme Immunoassay using monoclonal antibodies for the detection of *Brucella abortus* antibodies in cow milk. J. Vet. Med. B 37, 735-759.

CONTACT INFORMATION