

# BRUCELLA I-ELISA ANTIBODY TEST (SMALL RUMINANTS)

## SVANOVIR® Brucella-Ab I-ELISA o/c

### BRUCELLOSIS

Brucellosis is a known world wide important zoonotic disease. It is caused by the bacterium *Brucella*. Various *Brucella* species affect cattle, goats, pigs, sheep, dogs, bison, reindeer and several other animals. Bovine brucellosis is primarily caused by *B. abortus* while ovine and caprine brucellosis is mainly caused by *B. melitensis*. Pathologically and epidemiologically these are very similar. The general symptoms of brucellosis are reproductive failure and abortion. Persistent lifelong infections are common and are spread through shedding in the reproductive and mammary secretion.

Due to its economical impact on animal health and the risk to the human population, herds should be monitored for the presence of infection and therefore most countries have a Brucellosis control program. Such programs usually involves vaccination of young or mature animals with Rev-1 or a slaughter of infected/exposed animals based on a reaction to conventional serological assays.

Despite eradication programs, including vaccination, testing and stamping out, the disease has remained prevalent in many areas in the world. *Brucella melitensis* is endemic in the Mediterranean region. Several countries in Northern and Central Europe, Canada, Japan, Australia and New Zealand are believed to be free from the agent.

Good diagnostic results have been obtained in sheep and goats with ELISAs. The ELISA is a suitable tool for screening purposes, replacing the conventional agglutination assays. Regarding the use of ELISA for international trade purposes, it should be noted that there are yet no internationally recognized procedure for standardization.

### SVANOVIR® BRUCELLA-AB I-ELISA O/C

SVANOVIR® Brucella-Ab I-ELISA o/c is developed to detect *Brucella* antibodies (IgG) in ovine and caprine serum and plasma samples.

### Brucella I-ELISA antibody test (small ruminants)

An indirect ELISA for the detection of *Brucella* antibodies (IgG) in ovine and caprine serum and plasma samples.

Product name	Article no	Format	plates	tests	samples
SVANOVIR® Brucella-Ab I-ELISA o/c	10-8200-02	plate	2	192	184

## PERFORMANCE CHARACTERISTICS

Sensitivity: 94,3%

Specificity: 100%

270 samples from Sweden, Israel, Iran

Reference methods: RBT, CFT, 2-ME, Wright, Cultivation

Sensitivity: 100%

Specificity: 100%

226 samples from Italy

Reference method: CFT/SAT

### SVANOVIR® BRUCELLA-AB I-ELISA O/C FOR THE DETECTION OF BRUCELLA ANTIBODIES IN OVINE AND CAPRINE SERUM AND PLASMA SAMPLES

- Adapted for serum/plasma in sheep and goat
- Suitable for screening and automation purposes
- Available in a 2-plate format
- Detecting both *B.abortus* and *B. melitensis*



## SVANOVA BIOTECH AB

Svanova Biotech AB was established in the beginning of 2001. The company has been founded upon the activities, which have been ongoing since 1988 within SVA, the National Veterinary Institute, in Uppsala, Sweden.

Svanova Biotech AB develops, manufactures, markets and sells a wide range of diagnostic products for large-scale laboratories as well as for the veterinarians in the clinic or on the field, mainly for diagnosing infectious diseases in livestock and companion animals.

The majority of the products are based on the ELISA technique, marketed under the trade name SVANOVIR®, detecting antibodies against different microorganisms, such as viruses, bacteria, parasites or mycoplasma in various animal species.

SVANOVIR® products are manufactured by Svanova Biotech AB in accordance with an ISO 9001 certification. The products are developed, evaluated and adapted to the needs of the veterinary diagnostic laboratories.

One of the strengths of Svanova Biotech AB is the in-depth cooperation with specialists and researchers throughout the world. One of them is SVA, where, due to the long and close relationship, all the know-how and expertise is available to Svanova Biotech AB.

## SVANOVIR®

Svanova's ELISA product line is known as SVANOVIR®. The SVANOVIR® products are developed, evaluated and adapted to the needs of the veterinary diagnostic laboratories and are manufactured according to ISO 9001. The quality of our processes, products and services are continuously being optimised and improved to satisfy the needs of our customers.

### LEGAL DISCLAIMER

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