

Bovine Respiratory Syncytial Virus antibody test

BRSV-Ab

(BRSV) belongs to the family pneumovirus. It has a counterpart in the human RSV which affects the respiratory tract of mainly infants, a related caprine RSV is also known. The virus name derives from large syncytial masses formed in infected cell cultures. Bovine RSV is associated with upper and lower respiratory tract diseases primarily affecting calves less than 12 months old and in milking cows. The initial symptoms of the disease include pyrexia, coughing, ocular, and nasal discharge. The occurrence of anorexia, trachypnoea, and dyspnoea indicates a more serious, advanced stage of the disease which may lead to fatal pneumonia. BRSV is transmitted horizontally by direct contact with respiratory secretions (aerosol infection). Infection is facilitated by crowding during the milking process and when animals are housed during the winter months. Newly acquired calves should be isolated and monitored for the presence of infection to prevent contamination of uninfected herds. The antibody response to BRSV infection is well documented and facilitates a rapid diagnosis. SVANOVIR® BRSV-Ab ELISA is developed to detect specific antibodies (IgG₁) to Bovine Respiratory Syncytial Virus in bovine serum and milk samples.

Article No.:	10-2500-02
Kit format:	2-plate package size
No of tests:	96
No. of samples:	88 (wells for kit controls excluded)

Application Area: Diagnostics (acute disease diagnosis by testing paired sera in single dilution)
Screening/Confirmation

Characteristics: Indirect ELISA
Adapted for serum as well as individual and pool milk samples
Relative sensitivity to CVL ELISA: 94.6%
Relative specificity to CVL ELISA: 100%
Agreement with CVL ELISA: 0.962