

Focused on Veterinary Diagnostics

FASTest® BCV Strip ad us. vet.

Viral diarrhoea pathogen of the Neonatal Calf Diarrhoea Complex

Fast test for the qualitative detection of Bovine Coronavirus antigen in feces of the calf

Fast aetiological diagnostics

High infectivity needs immediate and specific treatment

Identification of asymptomatic chronic carriers

Fast, long-term and effective prophylaxis in the whole stock

Effective decrease of economic damage



- Simple test procedure with feces
- Fast test interpretation after 5 minutes
- Reliable clinical diagnostics
- Sensitivity 96.7% & Specificity 99.9%
- Storage at room temperature (15-25°C)
- Long shelf life
- Compact test box with 2 or 10 tests

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Bovine Coronaviruses (BCV) belong to the family Coronaviridae and are spread world-wide as diarrhoea pathogens for cattle. Normally, they appear together with other pathogens of the Neonatal Calf Diarrhoea Complex.

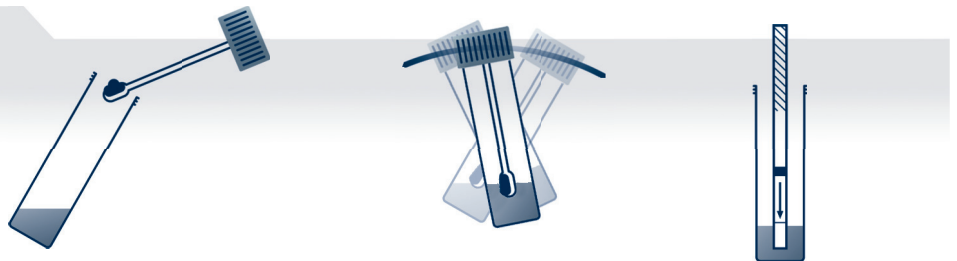
The prevalences can differ, depending on the stock. Mostly, calves of the age between 5 and 21 days are affected. In older animals, BCV are important for the so-called winter dysentery.

The route of transmission of the Bovine Coronaviruses is oronasal. After the intake, the viruses propagate in the alveolar epithelium of the lung, the small intestine (severe villous atrophy) and the colon (destruction of the epithelium cells). The resulting functional disorders lead to a malabsorption syndrome with partially severe diarrhoea, dehydration and metabolic acidosis. The morbidity is high, the lethality comes up to 20%. The pathogen is emitted mainly by feces, but also through the respiratory tract.

Caused by the high infectiveness, often a population problem arises. Here, asymptomatic carriers (especially older young animals and adults) are important, particularly in connection with the winter dysentery of older animals. Therefore, with a suspicion of a Coronavirus stock problem, all animals shall be diagnosed aetiologically, and the management of keeping and feeding shall be examined.

The **FASTest[®] BCV Strip** enables the veterinarian a fast and reliable on-site proof of Bovine Coronaviruses for a fast and targeted initiation of suitable therapy and prophylaxis measurements and therefore a reduction of the calf loss rate or future infectious outbreaks.

Test procedure



Test interpretation



POSITIVE



NEGATIVE



Bovine Coronavirus infection often comes up together with other diarrhoea pathogens (Cryptosporidia, Rotaviruses, *E.coli* K99 (F5), Giardia and others). Therefore, for diarrhoea it is generally advisable to use the species specific parallel tests **FASTest[®] CRYPTO Strip**, **FASTest[®] E.coli-K99 Strip**, **FASTest[®] ROTA Strip**, **FASTest[®] GIARDIA Strip** and the combined test **FASTest[®] D4T** bovine.

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Distribution:

Animal Solutions Ltd.
Phone: 09 948 4701

Fax: 09 625 2057

Mobile: 02 2066 2075

www.animalsolutions.co.nz

