



SVANOVIR® BDV- Ab

Controlling Pestivirus infections in sheep and goat herds

SUMMARY | SVANOVIR® BDV- Ab is an indirect ELISA for the detection of border disease in small ruminants. In a thorough evaluation study independent experts found it to be highly effective in detecting Pestivirus infections. Control programs benefit from the high sensitivity and dual functionality of the assay, enabling parallel testing of both serum/plasma and milk samples in the same assay.



Your challenge is a high incidence of abortion in herds

Pestivirus has a tropism to the respiratory and genital tract of ruminants, causing a disease called bovine virus diarrhoea (BVD) in cattle and border disease (BD) in small ruminants. In sheep and goats the infection is often sub-clinical, however it can become economically important during lambing season when it causes reproductive failure, abortions or birth of small weak lambs with neurological disorders.

Your goal is to identify herds with persistently infected animals

To control Pestivirus infections in ruminant herds, it is important to prevent in utero infections because this vertical transmission usually results in lambs that are persistently infected (PI). PI animals shed large quantities of virus, posing a high risk for virus transmission to other small ruminants, cattle and swine.

Detects antibodies to Pestivirus infection

Highly sensitive assay
– minimising false negative results

Comprehensively validated
by the University of Veterinary Medicine, Vienna

Easy sampling – enables also testing of milk samples

ASSAY OVERVIEW



SVANOVIR® BDV-Ab

Species	Ovine, caprine		
Samples	Serum and milk		
Type	Indirect ELISA		
Article number	Samples*	Plates	Format
10-8100-02	88	2	Strips

*Samples: Max. number of samples for analysis, wells for kit controls excluded

SVANOVIR® BDV- Ab is a simple and reliable tool for controlling Pestivirus infections in small ruminants.

Available in a 2-Plate format

Dual functionality - testing of both serum/plasma and milk samples in the same assay

Effective handling – low sample volume needed and results in <2.5 hrs

High quality - thoroughly validated and manufactured under strict ISO 9001:2008 standardised procedures in Sweden

PERFORMANCE CHARACTERISTICS
SVANOVIR® BDV-Ab

Comprehensive studies on serum from a large number of animals from different herds and regions have shown good correlation between SVANOVIR® BDV- Ab and the virus neutralisation test. The assay has shown strong performance also in sheep and goat populations with low prevalence of Pestivirus (7.4 and 16.7 % positive animals, respectively) (Krametter et al., 2005). SVANOVIR® BDV- Ab demonstrated better specificity in comparison to another commercial ELISA, thus minimising the probability of false positive results.

Specimen		SVANOVIR® BDV- Ab	Commercial ELISA	Reference method
Serum from sheep n=715 ^a	Specificity	93.7 %	71.0 %	VNT*
	Sensitivity	94.3 %	95.5 %	VNT
Serum from goats n=150 ^b	Specificity	100.0 %	58.2 %	VNT
	Sensitivity	100.0 %	100.0 %	VNT

(a) from 67 flocks (b) from 14 flocks in Austria (Krametter et al., 2005),
*virus neutralisation test

Reference: Krametter-Frötscher, R; Loitsch, A; Möstl, K; Sommerfeld-Stur, I; Baumgartner, W (2005): Seroprävalenz von Border Disease und Boviner Virusdiarrhoe bei Schafen und Ziegen in ausgewählten Regionen Österreichs. Wiener Tierärztliche Monatsschrift (92) 238-244.

YOUR SUPPORT

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COMPLIMENTARY PRODUCTS for controlling Pestivirus infections in ruminant populations

Advantage	Species	Test
Detects all three genotypes of BVDV: type I, type II and type III (HoBi-like)	Bovine	SVANOVIR® BVDV-Ab
The blocking ELISA for controlling Pestivirus in ruminant populations	Bovine, ovine, caprine	SVANOVIR® BVDV p80-Ab