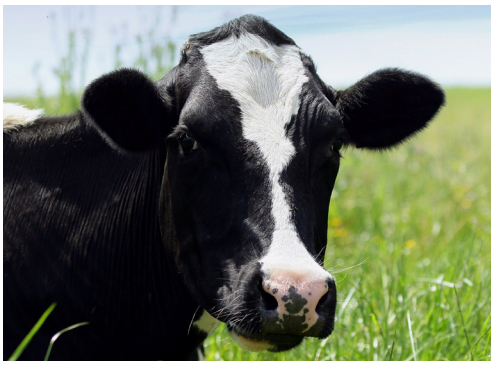
SVANOVIR® IBR-Ab

Repeatedly proven – *the* assay for Infectious Bovine Rhinotracheitis certification programmes

SUMMARY | SVANOVIR® IBR-Ab is a field-tested assay for detecting Bovine Herpesvirus 1 infection in bovine serum, plasma and milk samples, individual and bulk tank milk. Monitoring programs benefit from the high sensitivity and specificity of the test, enabling detection of BHV1 even in herds with low prevalence. It also qualifies herds as reliably free of IBR.



Your challenge is widespread herpesvirus

Bovine Herpesvirus Type 1 (BHV1) infects the respiratory and reproductive tracts of cattle, resulting in impaired performance and reduced yield. To avoid the spread of
BHV1 it is necessary to definitively differentiate IBR from other viruses in the case of respiratory disease. Due to differences in prevalence, pre-movement checks are essential to protect IBR negative herds.

Your goal is to detect BHV1 in latently infected animals

BHV1 can turn into a latent disease, and stress factors such as calving or stock movements can reactivate it. Control of the infection is achieved by screening for the presence of BHV1 in cattle herds, and culling individual positive animals. In countries with a high proportion of sero-positive cattle, the only feasible way to eradicate BHV1 is to first reduce the incidence of sero-positivity in the national herd.

ASSAY OVERVIEW

SVANOVIR® IBR-Ab

Species	Bovine		
Samples	Serum, plasma, individual and pools of ≤ 10 Milk, individual and pools of ≤50		
Type	Indirect ELISA		
Article number	**Samples***	**Plates**	**Format**
104878[a]	88	2	Strips
104879[a]	440	10	Plates
104880[b]	920	10	Strips

a Confirmation assays: recommended for herds with high prevalence. **b** Screening assay: recommended for herds with low prevalence, in combination with confirmation assay. ***Samples**: Max. number of samples for analysis, wells for kit controls excluded

Well-balanced sensitivity and specificity, providing accurate results for monitoring and control programs

Thoroughly validated, using the reference sera e.g. EU1, EU2 and EU3

Dual functionality, enabling testing of bulk milk and blood samples in the same assay

Prescribed test method for international trade by OIE

svanova

SVANOVIR® IBR-Ab is a valuable tool for herd screening and individual testing of dairy and beef cattle, delivering the accurate results needed in monitoring and eradication programmes, and trade.

Standard formats for low throughput and large scale testing

Effective handling - ready to use conjugate and flexible incubation times (short & overnight)

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

Multilingual kit insert and labels

PERFORMANCE CHARACTERISTICS
SVANOVIR® IBR-Ab

Several studies containing a large number of serum or milk samples have shown excellent performance of the assay. The high sensitivity enables detection of IBR in herds with low virus prevalence. The assay classified accurately the EU reference sera EU1 (positive), EU2 (weak-positive) and EU3 (negative), as well as a variety of defined samples in a ring trial coordinated in the Netherlands (Kramps et al., 2004) and by the Friedrich Loeffler Institute in Germany (2012). The excellent specificity minimises the probability of false positive test results and consequently supports reliable decision-making for monitoring and trade.

Samples from	Specimen	Sensitivity	Specificity	Reference method
BHV1 negative and positive herds	Serum n_{pos}= 741[a] n_{neg}= 94[a] n_{neg}= 401[b] n_{neg}= 216[c]	100 %	92 %	VNT*
BHV1 free areas	Serum n=1014[d]	n.a.	99 %	
BHV1 free population	Milk n= 164[e]	n.a.	100 %	

Samples from **a** Yugoslavia, **b** Sweden **c** Norway, **d** Italy, **e** Sweden

* virus neutralisation test

References: Kramps JA, Banks M, Beer M, Kerkhofs P, Perrin M, Wellenberg GJ, Oirschot JT. (2004): Evaluation of tests for antibodies against bovine herpesvirus 1 performed in national reference laboratories in Europe. Vet Microbiol. 102(3-4):169-81.

YOUR SUPPORT

From 9am-4pm CET call:

+46 18 65 49 15

customer.service@svanova.com

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Boehringer Ingelheim Svanova
Box 1545
SE-751 45 Uppsala, Sweden

www.svanova.com

svanova