



SVANOVIR® PRV gB-Ab

SVANOVIR® CSFV-Ab

SVANOVIR® ASFV-Ab

SVANOVIR® TGEV/PRCV-Ab

Svanova’s panel of highly specific tests for multi-objective sero-surveillance in wild boars

SUMMARY | We can now offer several validated assays for wild boars. Data from populations with historical freedom of disease demonstrate high assay specificity.

Your challenge is the surveillance of notifiable diseases in field samples of wild boars

Wild boars are present in many countries in the world. They pose a significant reservoir of notifiable infections for domestic swine and they can pose a zoonotic threat to public health. Samples originate from hunted boars or animals found dead. The samples arriving at the laboratory are often in a bad condition such as haemolytic and clotted.

Your goal is to get accurate results in the screening of exposure to multiple pathogens

Assays with high specificity and protocols including optimized sample handling are mandatory for obtaining accurate results in samples from wild boars. Thus assays must be optimized and validated on field samples from wild boars. Multi-objective surveillance approaches in wild boars is a cost and work effective way for controlling notifiable diseases in wild boars.



Validated on field samples

High specificity in populations with history of freedom of disease

Accurate results - optimized sample preparation protocol

A comprehensive panel from Svanova for **multi-objective surveillance**

ASSAY OVERVIEW

| Name & Article number, Format | Type of assay | Samples |  |
|---|---|--|--|
| SVANOVIR® PRV gB-AB 10-7262-02, Stripes 10-7262-10, Plates | Blocking ELISA, anti-gB (gII) monoclonal antibodies | Serum, plasma, whole blood (filter paper)* | |
| SVANOVIR® ASFV-Ab 10-7300-02, Strips | Indirect ELISA based on p30 antigen | Serum and plasma | |
| SVANOVIR® CSFV-Ab 10-7800-02, Strips 10-7800-10, Plates | Indirect ELISA based on E2 protein | Serum and plasma | |
| SVANOVIR® TGEV/PRCV-Ab 10-7500-02, Strips | Blocking ELISA with anti-TEV mAb & anti-TGEV/PCRV mAb | Serum and plasma | |

* Extra protocol available on request

Low cross-reactivity and thus low risk for false positive results have been reported for Svanovir assays when tested on wild boar samples from populations with historical freedom of disease.

Effective handling - Ready-to-use conjugate and strip or plate format

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

PERFORMANCE CHARACTERISTICS

SVANOVIR® PRV gB-Ab
 SVANOVIR® ASFV-Ab
 SVANOVIR® CSFV-Ab
 SVANOVIR® TGEV/PRCV-Ab

High specificity was demonstrated in several studies including samples from populations with historical freedom of disease.

| Assay | Serum of wild boars Number, Origin | Specificity | Reference method |
|---------------------------|---------------------------------------|-------------|---|
| SVANOVIR® ASFV-Ab | n=102, Sweden | 99% | Population, known as historically free of ASFV |
| SVANOVIR® CSFV-Ab | n=46, Sweden | 100% | Population, known as historically free of CSFV |
| SVANOVIR® PRV gB-Ab | n= 411, Sweden | 100% | Population, known as historically free of PRV (Surveillance report Sweden, 2013) |
| SVANOVIR® TGEV/PRCV-Ab | n=303, Finland | 100% | Farmed European wild boars, population historically free of TGEV (Hälli et al., 2012) |

References

Hälli, O., Ala-Kurikka, E., Nokireki, T., Skrzypczak, T., Raunio-Saarnisto, M., Peltoniemi, O.A.T., Heinonen, M. (2012): Prevalence of and risk factors associated with viral and bacterial pathogens in farmed European wild boar. Volume 194, Issue 1, Pages 98-101. Surveillance of infectious diseases in animals and humans in Sweden 2013, National Veterinary Institute (SVA), Uppsala, Sweden. SVA:s rapportserie 28 ISSN 1654-7098.

YOUR SUPPORT

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