



## SVANOVIR® FMDV 3ABC-Ab ruminant

# Controlling the Foot and Mouth disease in ruminant populations

**SUMMARY** | The SVANOVIR® FMDV 3ABC-Ab ruminant test is based on non-structural 3ABC antigen giving you the advantages of early detection of antibodies, the discrimination between antibodies generated by field infection from those by vaccination as well as the identification of infected carriers in vaccinated populations



### **YOUR CHALLENGE** is a highly contagious virus with numerous serotypes

Foot-and-mouth disease virus (FMDV) causes an acute vesicular disease in cloven-hoofed animals resulting in impaired performance and loss of yield. There are seven different serotypes of the FMD virus which could vary within geographical regions. All of them are highly contagious and may lead to devastating outbreaks in naive populations. In some countries FMDV has become endemic.

### **YOUR GOAL** is a fast and reliable identification of infected animals

The control of FMD spread is achieved by the stamping out of infected animals, sanitation of contaminated premises and possibly vaccination of herds in affected regions. Fast and reliable identification of infected animals in susceptible and vaccinated populations are key aspects to avoid transmission and import of the disease.

### **ASSAY OVERVIEW**

#### SVANOVIR® FMDV 3ABC-Ab ruminant



<b>Species</b>	Bovine, ovine and caprine		
<b>Samples</b>	Serum and plasma		
<b>Type</b>	Indirect ELISA based on non-structural 3ABC protein		
<b>Article number</b>	<b>Plates</b>	<b>Tests</b>	<b>Samples</b>
10-2801-10	10	480	440

### **YOUR SUPPORT**

From 9-16 CET call:

**+46 18 65 49 15**

**customer.service@svanova.com**

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- **Work effective protocol – results in less than 2 hours**
- **Easy adaption to automatisation**
- **User friendly**
- **Manufactured under strict ISO 9001:2008 standardised procedures in Sweden**



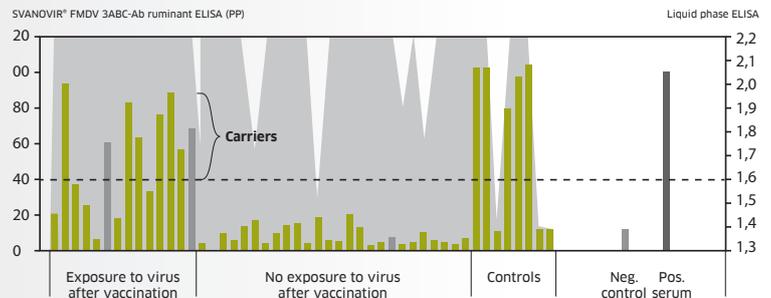
The SVANOVIR® FMDV 3ABC-Ab ruminant test provides accurate results in outbreak situations and for control- and eradication programs

- Detects antibodies to all seven serotypes of the FMD virus
- Discriminates between vaccinated and naturally infected animals
- Detects carrier animals in vaccinated populations
- High analytical sensitivity – early detection of infected animals
- Reliable result – validated and used in several reference labs worldwide

## PERFORMANCE CHARACTERISTICS SVANOVIR® FMDV 3ABC-Ab ruminant

A large number of tested individuals in different regions worldwide demonstrate the strong performance of the test. The high sensitivity provides for early detection – as early as 8 days post exposure. The excellent specificity minimise false positive test results which reduces the onset of unnecessary costly measures and trade embargos. The test discriminates reliably between antibodies from vaccinated and field infected animals. Moreover it identifies carriers in vaccinated populations.

	Sera from cattle South America, Europe and Middle East	Sera from small ruminants Europe
<b>Specificity</b>		
Disease free populations n=1424 n=134	97.0-99.8%	98.5%
Vaccinated populations n=619	98.5-100%	n.a.
<b>Sensitivity</b>		
Experimentally infected n=234	98-100%	n.a.



SVANOVIR® FMDV 3ABC-Ab ruminant ELISA identifies carrier animals in vaccinated populations. Figure shows antibody levels to structural proteins (▲) after vaccination as measured by liquid phase ELISA and to non-structural proteins (■) after exposure to field virus.

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## COMPLIMENTARY DIAGNOSTIC SOLUTIONS for Foot and Mouth Disease

Virus detection	Antibody detection	Quality control
SVANODIP® FMDV-Ag	SVANOVIR® FMDV 3ABC-Ab ruminant	IAEA FMDV standard sera