

## PrioCHECK® FMDV NS Antibody ELISA Kit

The only ELISA that can detect the foot-and-mouth disease virus (FMDV) in all cloven-hoofed species and reliably differentiate vaccinated from unvaccinated animals

### Benefits

#### Established test

The PrioCHECK® FMDV NS ELISA was initially developed by the renowned Danish Veterinary Institute. Worldwide, the test is considered an excellent assay for the detection of non-structural (NS) proteins. The PrioCHECK® FMDV NS is used in over 20 national reference laboratories.

The PrioCHECK® FMDV NS is a widely used test for FMDV detection and is approved and recommended by the FMD world reference lab in Pirbright.

#### Versatile

The PrioCHECK® FMDV NS detects all known FMDV serotypes and can be used for all cloven-hoofed animals. The test is fit for eradication strategies using vaccination, as it can discriminate between infected and vaccinated animals (DIVA test). It can also reliably detect carrier animals. This is important, as these animals can be the source of a renewed FMD outbreak. The PrioCHECK® FMDV NS can be used for surveillance as well as for screening purposes.

The PrioCHECK® FMDV NS is the only ELISA on the market that can be used for all cloven-hoofed species and that can reliably differentiate vaccinated from unvaccinated animals.

### Successful detection of FMDV

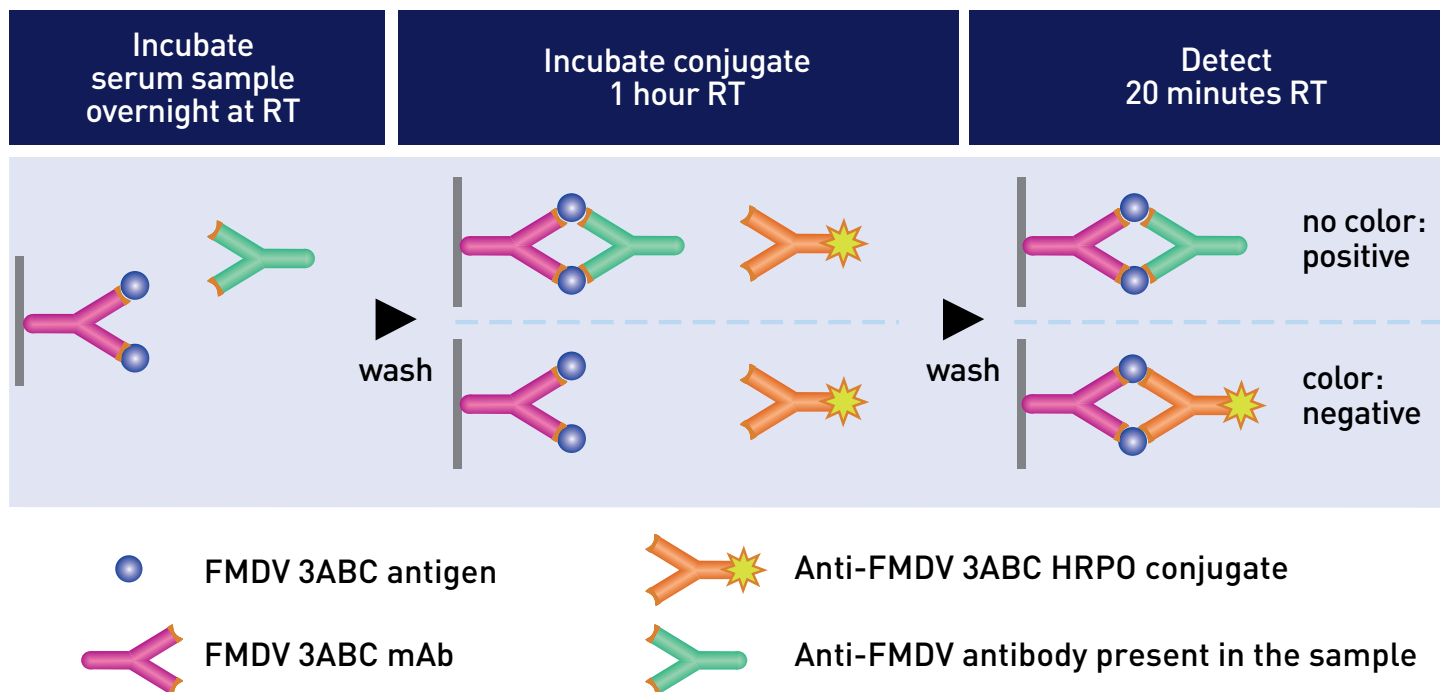
The PrioCHECK® FMDV NS is an established test that has been successfully used to control FMDV outbreaks worldwide. An EU-funded research group has evaluated the PrioCHECK® FMDV NS as the best commercial kit,\* thanks to its high specificity and sensitivity.

For details regarding the extensive validation of the test, see:

- Paton et al. (2006) *Vaccine* 24:6503–6512
- Brocchi et al. (2006) *Vaccine* 24:6966–6979
- Kittelberger et al. (2008) *New Zealand Veterinary Journal* 56:227–232



## PrioCHECK® FMDV NS procedure



## Foot-and-mouth disease

FMD is an important economic threat to livestock industries. The highly contagious disease affects all cloven-hoofed animals and is widespread throughout the world.

The FMD viruses are classified into 7 distinct serotypes, which makes diagnosis using conventional serological methods complex. Containment of FMDV demands strict monitoring, trade restrictions, quarantines, and occasionally the elimination of animals. In many countries, the disease is controlled by preventive

vaccination. However, vaccination is banned in most countries that are free of the disease.

The PrioCHECK® FMDV NS ELISA detects antibodies against the 3ABC antigen of the highly conserved NS protein of the virus. The test is suited for the detection of FMD in cattle, swine, sheep, and goats. It is an excellent and unique tool for the control of all serotypes of this highly contagious virus. The test is able to discriminate between vaccinated and unvaccinated animals.

## Ordering information

Product	Type	Quantity	Cat. No.
PrioCHECK® FMDV NS Antibody ELISA Kit	ELISA	5-plate kit (450 tests)	7610440
PrioCHECK® FMDV NS Antibody ELISA Kit	ELISA	10-plate kit (900 tests)	7610760
PrioCHECK® FMDV NS Antibody ELISA Kit	ELISA	5-strip plate (450 tests)	7610770
<b>Related products</b>			
PrioCHECK® FMDV Type O Antibody ELISA Kit	ELISA	5-plate kit (450 tests)	7610420
PrioCHECK® FMDV Type A Antibody ELISA Kit	ELISA	5-plate kit (450 tests)	7610850
PrioCHECK® FMDV Type Asia 1 Antibody ELISA Kit	ELISA	5-plate kit (450 tests)	7610870

\* 2006 Session of the Research Group of the Standing Technical Committee of EuFMD, Paphos, Cyprus, 17-20 October 2006  
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