

ViroReal® Kit Schmallenberg Virus



For veterinary use only

ViroReal® Kit Schmallenberg Virus

Order no.	Reactions	Pathogen	Internal positive control
DVEV03213	100	FAM channel	Cy5 channel
DVEV03253	50	FAM channel	Cy5 channel
DVEV03211	100	FAM channel	VIC/HEX channel
DVEV03251	50	FAM channel	VIC/HEX channel

Kit contents:

- Detection assay for Schmallenberg virus
- Detection assay + target for internal RNA positive control (control of RT-PCR amplification and/or RNA extraction)
- RNA reaction mix for one-step reverse transcription real-time PCR
- Nuclease-free water
- Positive control (RNA) for Schmallenberg virus

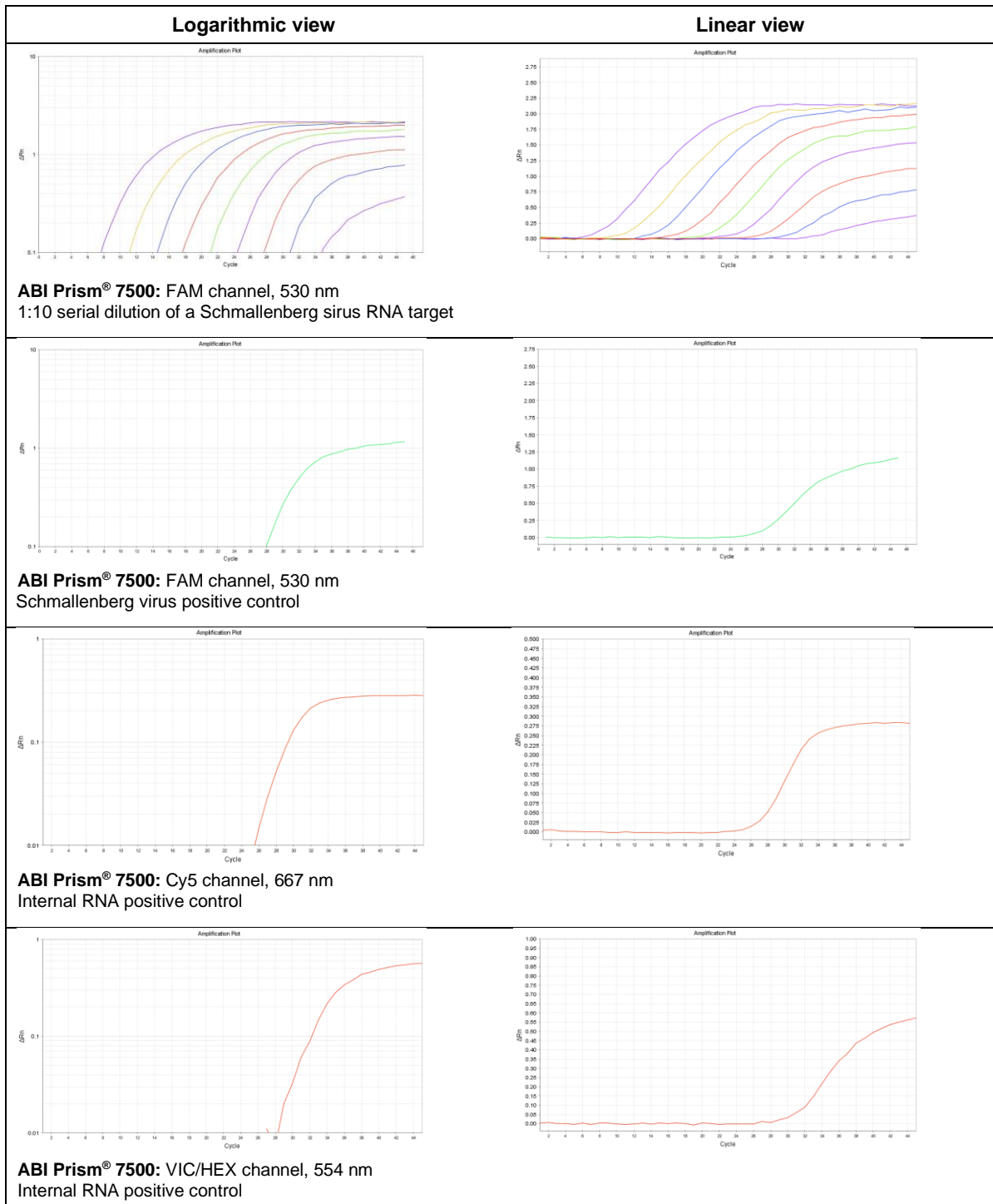


Background: Schmallenberg virus (SBV) is a novel Orthobunyavirus that has been associated with disease in ruminants (cattle, sheep and goats) in Europe. It causes transient clinical symptoms in adult cattle and congenital malformation in newborn ruminants. Schmallenberg virus is part of the Simbu serogroup of the *Bunyaviridae* family, genus Orthobunyavirus. The virus is transmitted via insect vectors, mainly midges.

Description: ViroReal® Kit Schmallenberg Virus is based on the amplification and detection of the nucleocapsid protein gene of schmallenberg virus by one-step reverse transcription real-time PCR (RT PCR). It allows the rapid and sensitive detection of schmallenberg virus RNA purified from serum, EDTA-blood or biopsies (e.g. with the QIAamp Viral RNA Mini Kit, Qiagen).

PCR-platforms: ViroReal® Kit Schmallenberg Virus is developed for the ABI PRISM® 7500 instrument (Thermo Fisher Scientific), LightCycler® 480 (Roche) and Mx3005P® QPCR System (Agilent), but is also suitable for other real-time PCR instruments.

Sensitivity and specificity: ViroReal® Kit Schmallenberg Virus detects at least 100 target copies/PCR reaction. The test cross reacts with Shamonda virus, Sathuperi virus and Douglas virus, which belong together with Schmallenberg virus to the Simbu serogroup.



BactoReal®, MycoReal, PoroReal and ViroReal® Kits run with the same thermal cycling conditions. RNA and DNA material can be analysed in one PCR run.

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