

# ViroReal® Kit Lumpy Skin Disease Virus



For veterinary use only

## ViroReal® Kit Lumpy Skin Disease Virus

| Order no. | Reactions | Pathogen    | Internal positive control |
|-----------|-----------|-------------|---------------------------|
| DVEV03313 | 100       | FAM channel | Cy5 channel               |
| DVEV03353 | 50        | FAM channel | Cy5 channel               |
| DVEV03311 | 100       | FAM channel | VIC/HEX channel           |
| DVEV03351 | 50        | FAM channel | VIC/HEX channel           |

### Kit contents:

- Detection assay for LSDV
- Detection assay for internal positive control (control of amplification)
- DNA reaction mix (contains uracil-N glycosylase, UNG)
- Positive control for LSDV
- Water



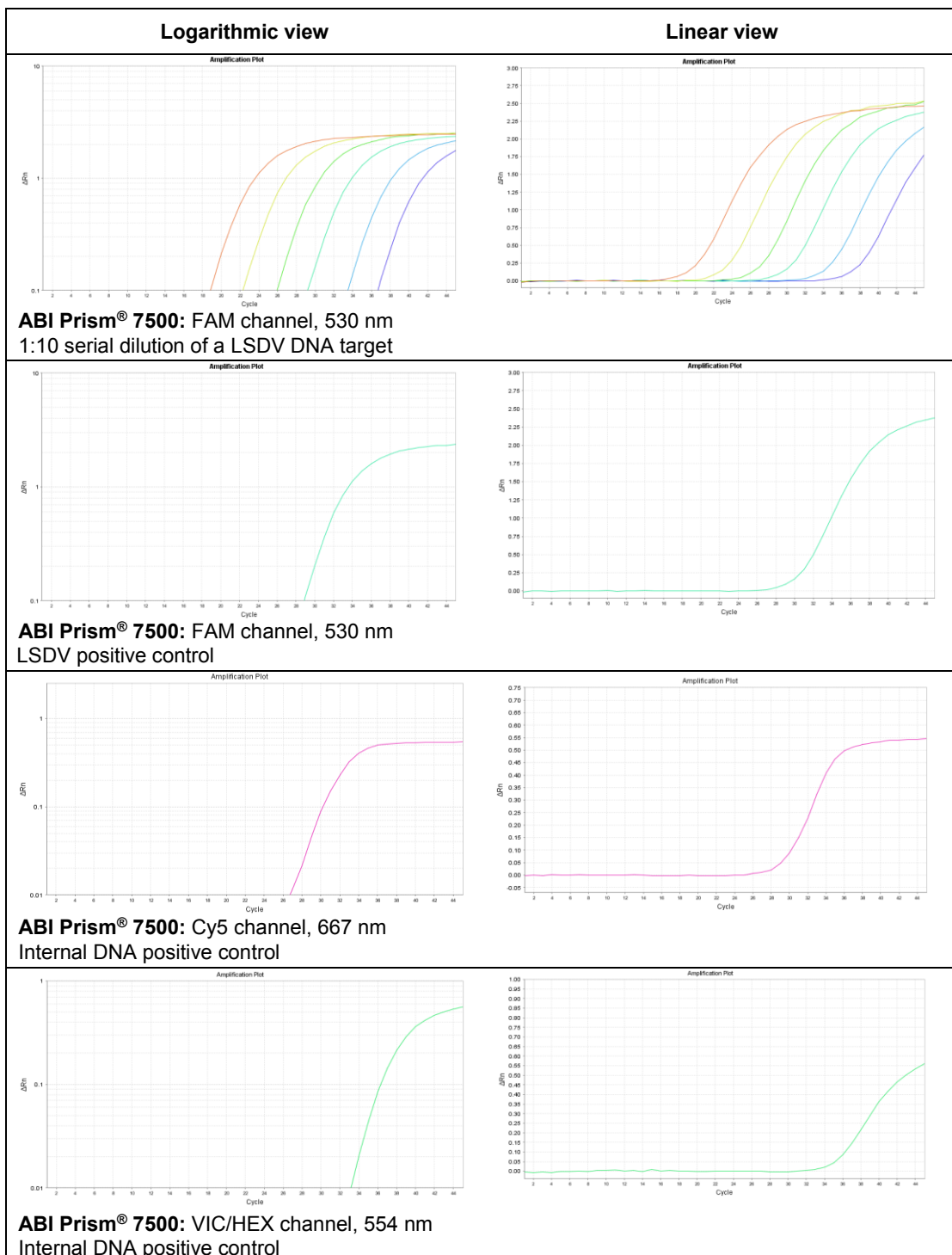
**Background:** Lumpy skin disease virus (LSDV) is a dsDNA virus within the genus Capripoxvirus. It is genetically very similar to the other two Capripoxvirus species sheeppox virus and goatpox virus. There is one serotype of LSDV. LSDV causes lumpy skin disease in cattle and buffalo. It is transmitted by arthropod vector. Traditionally it has been found in southern Africa but has been steadily spreading north to the Middle East and into eastern Europe and Russia.

**Description:** ViroReal® Kit Lumpy Skin Disease Virus is based on the amplification and detection of the GPCR gene of the lumpy skin disease virus. This kit might detect the sheeppox virus and the goatpox virus as well. It allows the rapid and sensitive detection of DNA of LSDV from samples purified from serum, blood, skin biopsies and swabs (saliva, eye, nose) (e.g. with the QIAamp DNA Mini Kit or QIAamp DSP Virus Kit).

**PCR-platforms:** ViroReal® Kit Lumpy Skin Disease Virus is developed and validated 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. This kit might detect also the sheeppox virus and the goatpox virus.

**Sensitivity and specificity:** ViroReal® Kit Lumpy Skin Disease Virus has an analytical sensitivity of about 10 template copies/PCR. This test detects the lumpy skin disease virus and might detect the sheeppox virus and the goatpox virus as well.

**References:** K. A. Al-Salihi. 2014. Lumpy Skin disease: Review of literature. MRSVA. 3, 6-23.



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

For further information on our products please visit our homepage ([www.ingenetix.com](http://www.ingenetix.com))