

# ViroReal<sup>®</sup> Kit Bovine Nebovirus



For veterinary use only

## ViroReal<sup>®</sup> Kit Bovine Nebovirus

Order no.	Reactions	Pathogen	Internal positive control
DVEV02713	100	FAM channel	Cy5 channel
DVEV02753	50	FAM channel	Cy5 channel
DVEV02711	100	FAM channel	VIC/HEX channel
DVEV02751	50	FAM channel	VIC/HEX channel

### Kit contents:

- Detection assay for bovine nebovirus
- 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 bovine nebovirus

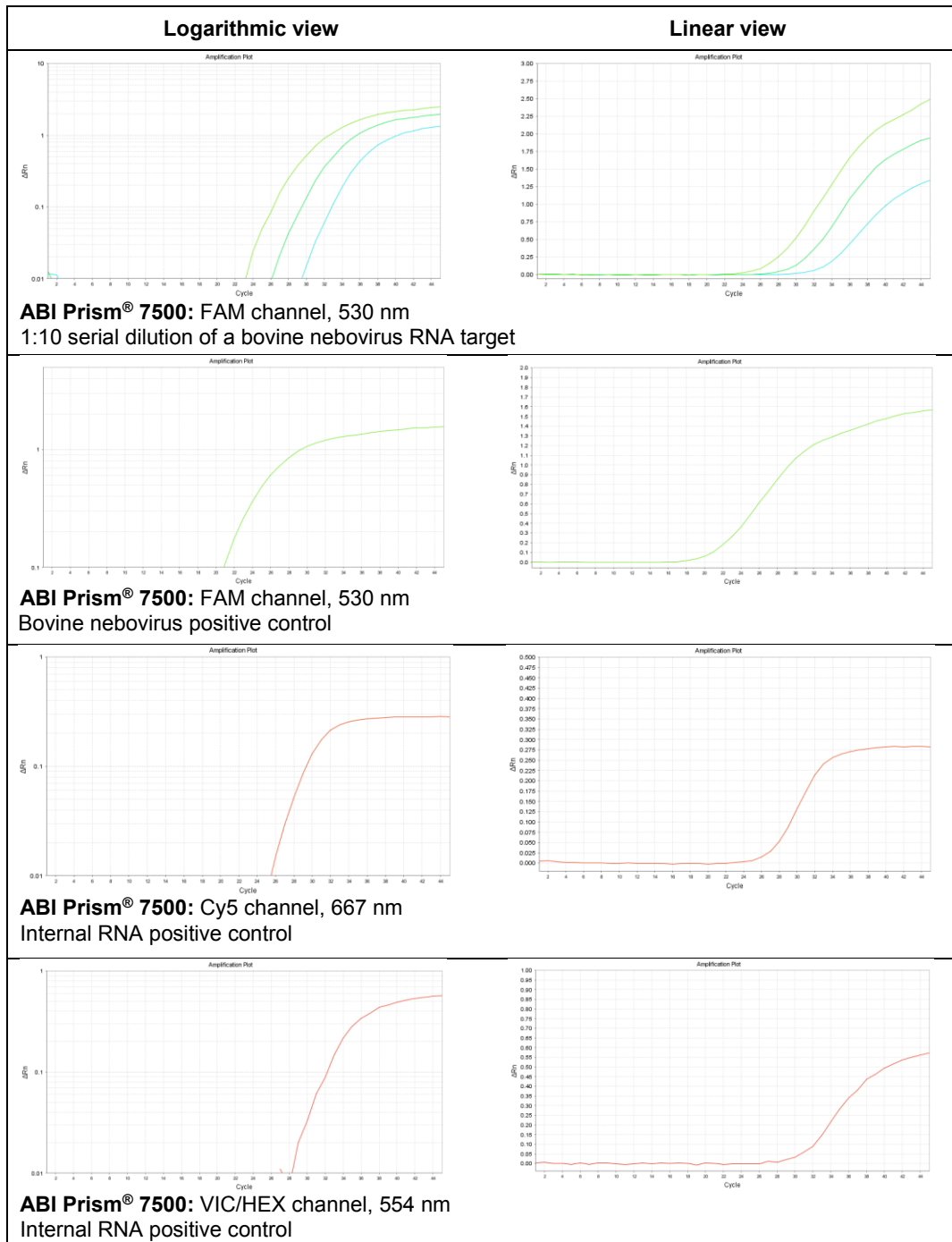


**Background:** Neboviruses are non-enveloped, single-stranded, linear, positive-sense RNA viruses ((+)ssRNA), belonging to the *Caliciviridae* family. The only currently known species in the genus *Nebovirus* is Newbury-1 virus. Cattle, especially calves, serve as natural hosts. Neboviral infection is associated with gastrointestinal disorders and necrotizing hepatitis leading to fatal hemorrhages in calves. The disease often remains endemic due to the lack of a commercially available vaccine.

**Description:** ViroReal<sup>®</sup> Kit Bovine Nebovirus is based on the amplification and detection of the ORF 1 of bovine nebovirus by one-step reverse transcription real-time PCR (RT PCR). It allows the rapid and sensitive detection of bovine nebovirus RNA purified from stool (e.g. with the QIAamp Viral RNA Mini Kit, Qiagen).

**PCR-platforms:** ViroReal<sup>®</sup> Kit Bovine Nebovirus is developed for the ABI PRISM<sup>®</sup> 7500 instrument (Life Technologies), LightCycler<sup>®</sup> 480 (Roche) and Mx3005P<sup>®</sup> QPCR System (Agilent), but is also suitable for other real-time PCR instruments.

**Sensitivity and specificity:** ViroReal<sup>®</sup> Kit Bovine Nebovirus detects at least 10 target copies/PCR reaction and is specific for bovine nebovirus.



**BactoReal®, MycoReal, ParoReal and ViroReal® 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))**