ViroReal® Kit MERS-CoV

For veterinary use only

ViroReal® Kit MERS-CoV			
Order no.	Reactions	Pathogen	Internal positive control
DVEV03013	100	VIC/HEX channel	Cy5 channel
DVEV03053	50	VIC/HEX channel	Cy5 channel

Kit contents:
- Detection assay for Middle East Respiratory Syndrome Coronavirus (MERS-CoV)
- 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
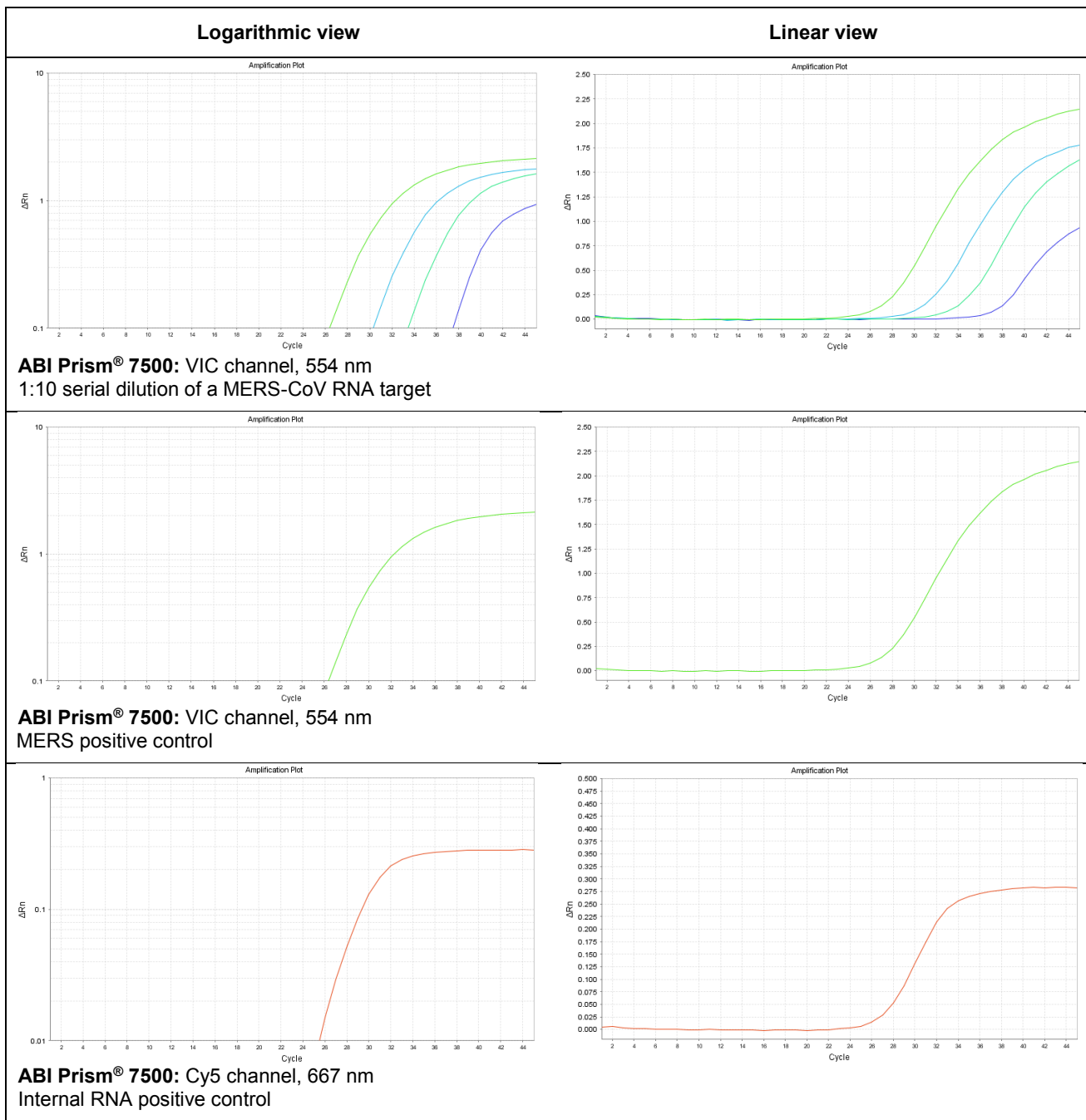- Positive control (RNA) for MERS-CoV

Background: Middle East Respiratory Syndrome Coronavirus (MERS-CoV) is a beta coronavirus causing Middle East Respiratory Syndrome (MERS), a zoonotic and severe respiratory disease in humans. To date, MERS-CoV has only been isolated from dromedary camels and humans. In humans it was first identified in April 2012. Camels are a likely primary source of the MERS-CoV infection in humans.

Description: ViroReal® Kit MERS-CoV is based on the amplification and detection of the nucleocapsid (N) gene of Middle East Respiratory Syndrome Coronavirus (MERS-CoV) by one-step reverse transcription real-time PCR (RT PCR). It allows the rapid and sensitive detection of MERS-CoV RNA purified from samples of the respiratory tract (e.g. with the QIAamp Viral RNA Mini Kit, Qiagen).

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

Specificity: ViroReal® Kit MERS-CoV is specific for MERS-CoV.

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ViroReal® Kit MERS-CoV
Product description v1.0e

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Logarithmic view	Linear view

ABI Prism® 7500: VIC channel, 554 nm
1:10 serial dilution of a MERS-CoV RNA target

ABI Prism® 7500: VIC channel, 554 nm
MERS positive control

ABI Prism® 7500: Cy5 channel, 667 nm
Internal RNA positive control

BactoReal®**, MycoR**eal**, ParoR**eal **and ViroR**eal® **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)