ViroReal® Kit PCMV

For veterinary use only

ViroReal® Kit PCMV			
Order no.	**Reactions**	**Pathogen**	**Internal positive control**
DVEV01113	100	FAM channel	Cy5 channel
DVEV01153	50	FAM channel	Cy5 channel
DVEV01111	100	FAM channel	VIC/HEX channel
DVEV01151	50	FAM channel	VIC/HEX channel

Kit content:

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

Background: Porcine cytomegalovirus (PCMV) is a herpesvirus infecting only pigs. PCMV is present worldwide. Most PCMV infections are sub-clinical and clinical disease is rare causing inclusion body rhinitis (IBR), pneumonia, anaemia, fever and abortion or neonatal piglet losses. The virus may also be endemic without causing any apparent clinical disease or economic loss. However, these infected animals can be latent carriers of the virus.

Description: ViroReal® Kit PCMV is based on the amplification and detection of the DNA polymerase (DPOL) gene of the porcine cytomegalovirus (PCMV). It allows the rapid and sensitive detection of DNA of PCMV from samples purified from tissue biopsies, semen and nasal swabs (e.g. with the QIAamp DNA Mini Kit or QIAamp DSP Virus Kit).

PCR-platforms: ViroReal® Kit PCMV 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.

Sensitivity and specificity: ViroReal® Kit PCMV has an analytical sensitivity of 3 copies/PCR. This test is specific for PCMV and detects all PCMV strains published in the NCBI database.

References: Edington N. Porcine cytomegalovirus. In: Leman A D, Straw B, Glock R D, Mengeling W L, Penny R H C, Scholl E, editors. Diseases of swine. 6th ed. Ames: Iowa State University Press; 1986. pp. 330–336.

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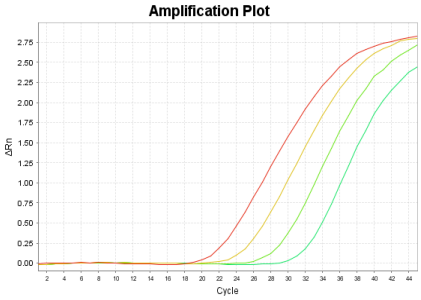
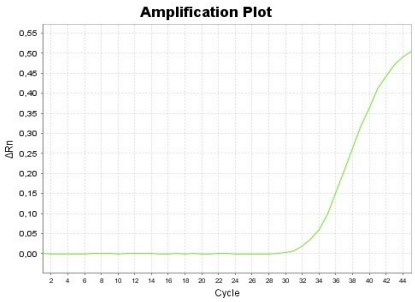
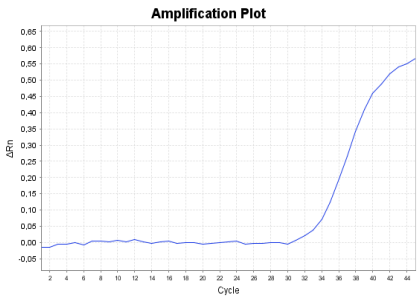
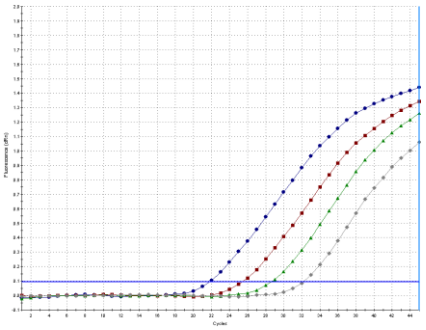
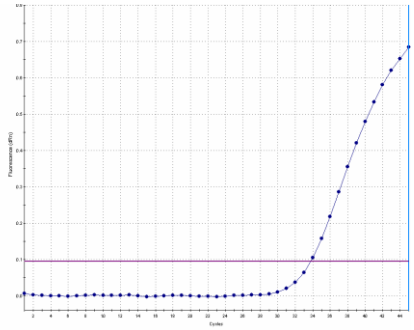
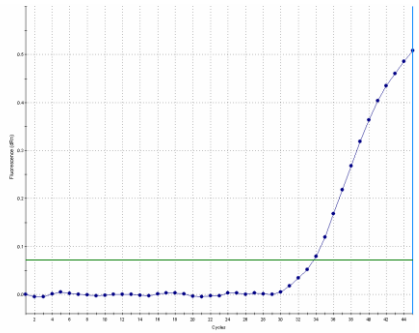
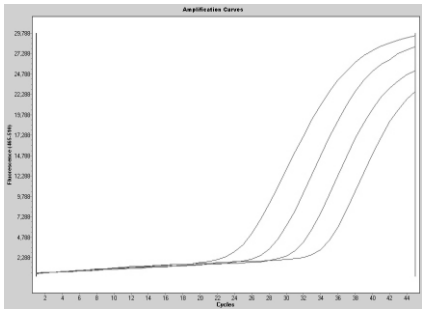
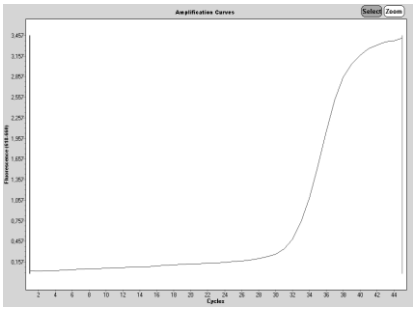
Detection of **PCMV**	Detection of internal positive control **CR-3**	Detection of internal positive control **CR-1**
		
ABI Prism® 7500: FAM channel, 530 nm 1:10 serial dilution of PCMV DNA	**ABI Prism® 7500:** Cy5 channel, 667 nm Internal positive control	**ABI Prism® 7500:** VIC channel, 554 nm Internal positive control
		
Mx3005P®: FAM channel 1:10 serial dilution of PCMV DNA	**Mx3005P®:** CY5 channel Internal positive control	**Mx3005P®:** HEX channel Internal positive control
		
LightCycler® 480: FAM channel 1:10 serial dilution of PCMV DNA	**LightCycler® 480:** Cy5 channel Internal positive control	

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)

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