



TARGETED DETECTION OF THE MONKEYPOX VIRUS

PKamp™ Monkeypox Virus Real-time PCR RUO Kit V1

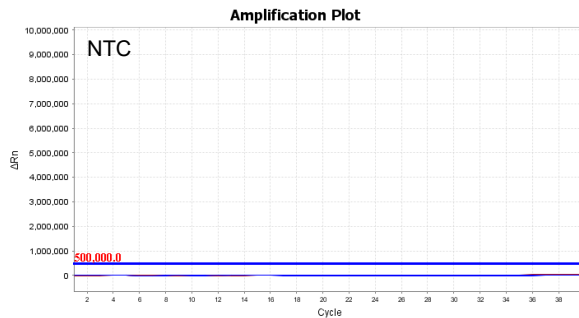
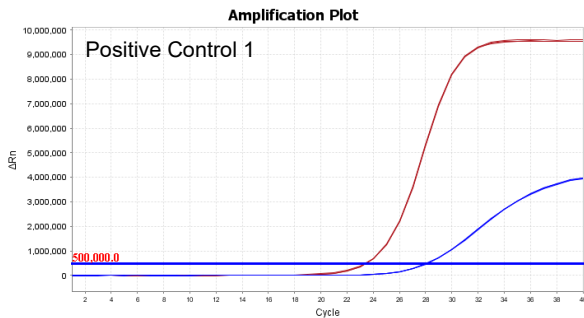
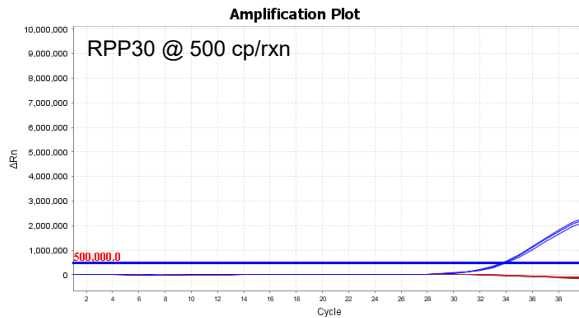
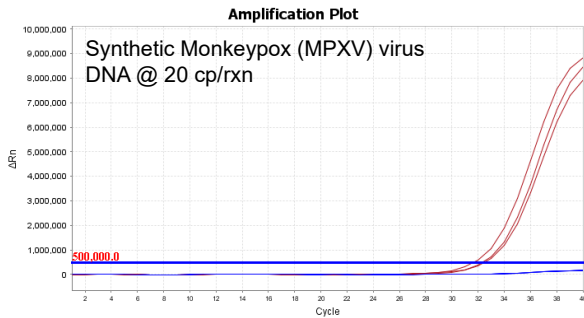
The PKamp™ Monkeypox Real-time PCR RUO Kit V1 is a real-time PCR multiplexed test intended for the qualitative detection of Monkeypox virus (MPXV) DNA from extracted nucleic acid. The kit does not detect Variola virus (VARV) DNA and other non-variola Orthopoxvirus (NVAR) DNA. The genus Orthopoxvirus contains four species that infect humans: variola (VARV), monkeypox (MPXV), vaccinia (VACV) including buffalopox, and cowpox (CPXV).

The PKamp™ Monkeypox Real-time PCR RUO Kit V1 includes both positive and negative internal controls for accurate reporting of results. An additional primer/probe set included to detect the endogenous control gene RNase P enables monitoring of sample collection from human biological material and extraction efficiency.

Specific: Targets Monkeypox virus' F3L gene

Sensitive: Detects at least 20 copies per PCR reaction

Seamless: Compatible with PerkinElmer's sample prep workflow



■ MPXV
■ RPP30

QuantStudio™ Dx 96
with 15 μL PCR reaction.

Nucleic Acid Extraction Expertise

PerkinElmer excels in delivering high-quality molecular detection workflows by combining expertise in RT-PCR assay and nucleic acid extraction as most recently demonstrated during the COVID-19 pandemic. Nucleic acid quality is critical when conducting molecular analysis since degradation, impurities and enzymatic inhibitors can have a significant impact on the quality of data. PerkinElmer's chemagen™ technology addresses the challenges associated with extraction by offering high recovery of clean nucleic acids suitable for demanding downstream applications. The PerkinElmer chemagic™ Viral DNA/ RNA 300 Kit H96 (cat # CMG-1033-S) and the chemagic™ 360 instrument is recommended for the isolation of nucleic acids for use with the PKamp™ Monkeypox Real-time PCR RUO Kit V1.

Flexible Automation

The JANUS® G3 primary sample reformatter provides safe and traceable barcode scanning and reformatting of samples to support viral nucleic acid extraction. The JANUS® G3 PCR Workstation enables traceable and reproducible real time PCR sample preparation for high-throughput detection using standardized protocols. The PKamp™ Monkeypox Real-time PCR RUO Kit V1 works with the commonly available real-time PCR instruments on the market including the EONIS™ Q instrument.



Learn more about the PKamp™ Monkeypox Real-time PCR RUO Kit today!

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