

Genomic DNA from Monkeypox Virus, USA-2003

Catalog No. NR-4928

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Product Description: Genomic DNA was isolated from a preparation of monkeypox virus, USA-2003.¹

Lot: 57753458

Manufacturing Date: 18JAN2008

TEST	SPECIFICATIONS	RESULTS
PCR Amplification of Species-Specific Sequence²	Monkeypox virus	Monkeypox virus
Quantitative PCR³ Copies per vial Concentration	Report results Report results	~ 2.2 X 10 ⁶ ~ 2.2 X 10 ⁶ copies per 100 µL
Functional Activity by PCR Amplification²	~ 1200 bp amplicon	~ 1200 bp amplicon (See Figure 1)
Total DNA Content by PicoGreen[®] Measurement (Viral and Cellular)	Report results	12.5 ng per 100 µL
Virus Inactivation⁴ 10% of total yield was evaluated for cytopathic effect; limit of detection is 0.01 plaque-forming units per vial	No viable virus detected	No viable virus detected

¹Monkeypox virus, USA-2003: BEI Resources NR-2500 (Lot: 57935484).

²Using TITANIUM™ Taq PCR Kit (Clontech 639211).

³NR-4928 is not intended for use as a standard for quantitative PCR.

⁴An extraction procedure was used that has been shown to consistently inactivate 100% of orthopoxviruses.

Date: 04 JUN 2012

Signature:



Title:

Technical Manager, BEI Authentication or designee

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You are authorized to use this product for research use only. It is not intended for human use.

Figure 1

