

Certificate of Analysis for NR-4928

Genomic DNA from Monkeypox Virus, USA-2003

Catalog No. NR-4928

This reagent is the property of the U.S. Government.

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 Sequence ²	Monkeypox virus	Monkeypox virus
Quantitative PCR ³ 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 Amplification ²	~ 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 Inactivation ⁴ 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).

Date: 04 JUN 2012 Signature

Title: Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

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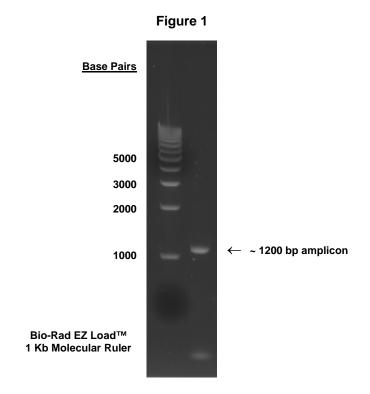
²Using TITANIUM™ *Taq* PCR Kit (Clontech 639211).

³NR-4928 is <u>not</u> intended for use as a standard for quantitative PCR.

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



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