

Certificate of Analysis for NR-2639

Genomic DNA from Vaccinia Virus, Western Reserve (NIAID, Tissue Culture Adapted)

Catalog No. NR-2639

Product Description: Genomic DNA was isolated from a preparation of cell lysate and supernatant from African green monkey (MA-104 Clone 1) cells¹ infected with vaccinia virus, Western Reserve (NIAID, tissue culture adapted).²

Lot: 5075335

Manufacturing Date: 25FEB2006

TEST	SPECIFICATIONS	RESULTS
PCR Amplification of Genus-Specific Sequence ³	<i>Orthopoxvirus</i>	<i>Orthopoxvirus</i>
Quantitative PCR ⁴ Copies per vial Concentration	Report results Report results	~ 2.0 X 10 ⁸ ~ 2.0 X 10 ⁸ copies per 100 µL
Functional Activity by PCR Amplification ³	~ 2600 bp amplicon	~ 2600 bp amplicon (Figure 1)
Total DNA Content by PicoGreen® Measurement (Viral and Cellular)	Report results	59 ng per 100 µL
Virus Inactivation 10% of total yield inoculated on VERO C1008 (E6) cells ⁵ and evaluated for cytopathic effect; limit of detection is 0.03 plaque-forming units per vial	No viable virus detected	No viable virus detected
Sodium Azide Content	Report results	0.0013%

¹MA-104 Clone 1 cells: ATCC® CRL-2378.1™.

²Vaccinia Virus, Western Reserve (NIAID, tissue culture adapted): BEI Resources NR-55.

³Using TITANIUM™ Taq PCR Kit (Clontech 639210).

⁴NR-2639 is not intended for use as a standard for quantitative PCR.

⁵VERO C1008 (E6) cells: ATCC® CRL-1586™; 7 days 37°C and 5% CO₂ with media overlay.

Date: 06 FEB 2015

Signature 

Title: Technical Manager, BEI Authentication or designee

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Figure 1

