

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) cells 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	Orthopoxvirus	Orthopoxvirus
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™.

Date: 06 FEB 2015

Technical Manager, BEI Authentication or designee Title:

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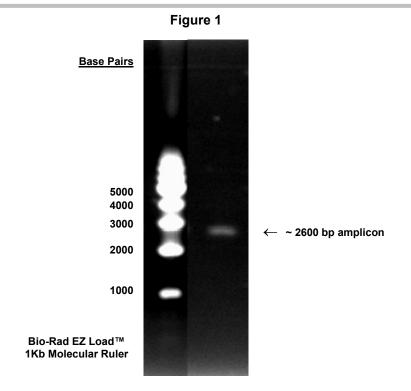
²Vaccinia Virus, Western Reserve (NIAID, tissue culture adapted): BEI Resources NR-55.

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

⁴NR-2639 is <u>not</u> 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.



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