

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 (Vero) cells¹ infected with vaccinia virus, Western Reserve (NIAID, tissue culture adapted).

Lot²: 61957662

Manufacturing Date: 15AUG2013

TEST	SPECIFICATIONS	RESULTS
Sequencing of Species-Specific Region (1001 nucleotides)	Consistent with vaccinia virus, Western Reserve	100% identity with vaccinia virus, Western Reserve (GenBank: AY243312)
Functional Activity by RT-PCR Amplification³	~ 1100 bp amplicon	~ 1100 bp amplicon (Figure 1)
Total DNA Content by PicoGreen[®] Measurement (Viral and Cellular)	Report results	55 ng per 100 µL
Virus Inactivation 10% of total yield inoculated on Vero cells ¹ and evaluated for cytopathic effect ^{4,5}	No viable virus detected	No viable virus detected

¹Vero cells: ATCC[®] CCL-81™

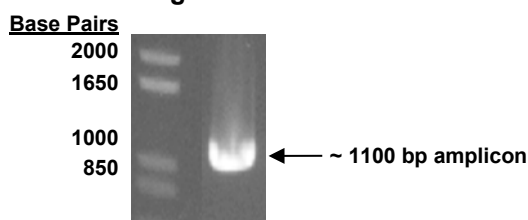
²Nucleic acid was extracted from a preparation of Vaccinia Virus, Western Reserve (NIAID, Tissue culture adapted) (BEI Resources NR-55, Lot 3579605) using a QIAamp[®] Viral RNA Mini Kit (Qiagen 52906).

³Amplified using iTaq[™] DNA Polymerase (Bio-Rad 10966-026) with 5 µL of NR-2635 in a 50 µL reaction

⁴7 days at 37°C and 5% CO₂

⁵Use of the QIAamp[®] Viral RNA Mini Kit has been demonstrated to consistently inactivate 100% of vaccinia virus.

Figure 1



Date: 06 FEB 2015

Signature:

Michael R. Grynke

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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