b|e|i RESOURCES
SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for NR-2634

Genomic DNA from Vaccinia Virus, Modified Vaccinia Ankara (MVA)

Catalog No. NR-2634

Product Description:

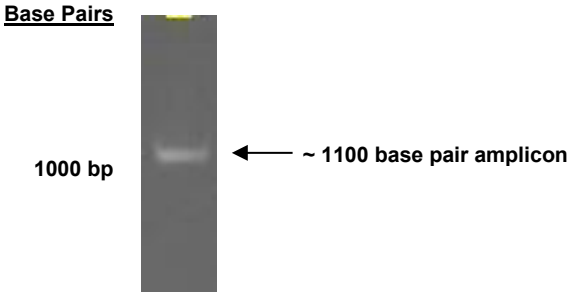
Genomic DNA was isolated from a preparation of cell lysate and supernatant from chicken embryo fibroblast cells infected with vaccinia virus, Modified Vaccinia Ankara (MVA)[1]

Lot: 62153956 **Manufacturing Date: 06NOV2013**

TEST	SPECIFICATIONS	RESULTS
Sequencing of Vaccinia Virus Specific Region (989 base pairs)	Consistent with vaccinia virus, MVA	99% identity with vaccinia virus, MVA (GenBank: U94848)
Total DNA Content by PicoGreen® Measurement (Viral and Cellular)[2]	Report results	9.4 ng per 100 µL
Functional Activity by RT-PCR Amplification[3]	~ 1100 base pair amplicon	~ 1100 bp amplicon (Figure 1)
Virus Inactivation 10% of total yield incubated on Vero cells and evaluated by hemagglutination assay[1,4,5]	No viable virus detected	No viable virus detected

[1]SL-29 cells: ATCC® CRL-1590™
[2]Nucleic acid was extracted from a preparation of Vaccinia Virus, MVA (BEI Resources NR-1 lot 7704329) using a QIAamp® Viral RNA Mini Kit (Qiagen 52906).
[3]Amplified using iTaq™ DNA Polymerase (BioRad 170-8870) with 5 µL of NR-2634 in a 50 µL reaction
[4]Vero cells: ATCC® CCL-81™; 11 days at 37°C and 5% CO_2 with media overlay
[5]This extraction procedure has been demonstrated to consistently inactivate 100% of orthopoxviruses.

Figure 1: Functional Activity of NR-2634 by RT-PCR



/Heather Couch/
Heather Couch 06 OCT 2021
Program Manager or designee, ATCC Federal Solutions

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.

Support Provided by NIAID

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