

Certificate of Analysis for NR-2634

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

Catalog No. NR-2634

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

Product Description: Genomic DNA was isolated from a preparation of cell lysate and supernatant from hamster kidney (BHK-21) cells¹ infected with vaccinia virus, MVA.²

Lot: 5075330 Manufacturing Date: 06MAR2006

TEST	SPECIFICATIONS	RESULTS
PCR Amplification of Strain-Specific Sequence ³	Vaccinia virus, MVA	Vaccinia virus, MVA
Quantitative PCR ⁴ Copies per vial Concentration	Report results Report results	~ 5.6 X 10 ⁷ ~ 5.6 X 10 ⁷ copies per 100 μL
Functional Activity by PCR Amplification ³	~ 1900 bp amplicon	~ 1900 bp amplicon (Figure 1)
Total DNA Content by PicoGreen® Measurement (Viral and Cellular)	Report results	26.7 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 0.01 plaque-forming units per vial	No viable virus detected	No viable virus detected
Sodium Azide Content	Report results	0.00034%

¹BHK-21 cells: ATCC[®] CCL-10™.

Date: 10 DEC 2009 **Signature:** Signature on File

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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Biodefense and Emerging Infections Research Resources Repository

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²Vaccinia virus, MVA: BEI Resources NR-1.

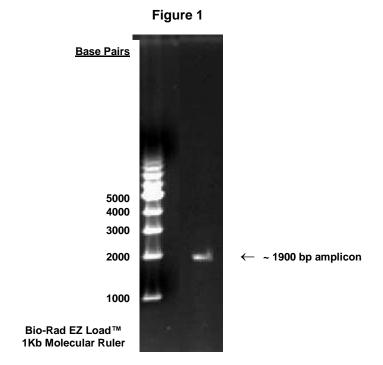
³Using TITANIUM™ *Tag* PCR Kit (Clontech 639210).

⁴NR-2634 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.



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