

## **Certificate of Analysis for NR-2638**

## Genomic DNA from Vaccinia Virus, New York City Board of Health (Wyeth, Calf adapted)

Catalog No. NR-2638

**Product Description:** Genomic DNA was isolated from a preparation of cell lysate and supernatant from African green monkey (MA-104 Clone 1) cells<sup>1</sup> infected with vaccinia virus, New York City Board of Health (Wyeth, Calf adapted).<sup>2</sup>

Lot: 5075334 Manufacturing Date: 17FEB2006

TEST	SPECIFICATIONS	RESULTS
PCR Amplification of Genus-Specific Sequence <sup>3</sup>	Orthopoxvirus	Orthopoxvirus
Quantitative PCR <sup>4</sup> Copies per vial Concentration	Report results Report results	~ 1.8 X 10 <sup>8</sup> ~ 1.8 X 10 <sup>8</sup> copies per 100 µL
Functional Activity by PCR Amplification <sup>3</sup>	~ 2600 bp amplicon	~ 2600 bp amplicon (Figure 1)
Total DNA Content by PicoGreen® Measurement (Viral and Cellular)	Report results	26.4 ng per 100 μL
Virus Inactivation  10% of total yield inoculated on VERO C1008 (E6) cells <sup>5</sup> 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	0.0003%

<sup>&</sup>lt;sup>1</sup>MA-104 Clone 1 cells: ATCC® CRL-2378.1™.

**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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NR-2638\_5075334\_10DEC2009

<sup>&</sup>lt;sup>2</sup>Vaccinia Virus, NYCBH (Wyeth, calf-adapted): BEI Resources NR-54.

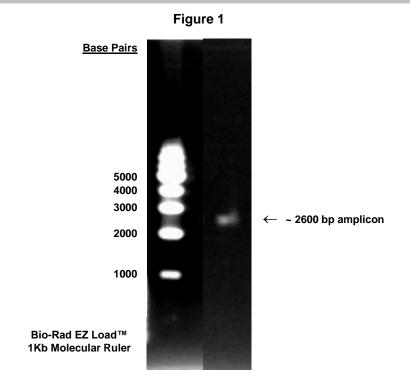
<sup>&</sup>lt;sup>3</sup>Using TITANIUM™ *Tag* PCR Kit (Clontech 639210).

<sup>&</sup>lt;sup>4</sup>NR-2638 is <u>not</u> intended for use as a standard for quantitative PCR.

<sup>&</sup>lt;sup>5</sup>VERO C1008 (E6) cells: ATCC<sup>®</sup> CRL-1586<sup>™</sup>; 7 days 37°C and 5% CO<sub>2</sub> with media overlay.



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