

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

**Catalog No. NR-2634**

**For research use only. Not for use in humans.**

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

NR-2634 lots 62153956 and 70053989 genomic DNA was isolated from a preparation of cell lysate and supernatant from chicken embryo fibroblast cells (SL-29; ATCC® CRL-1590™) infected with vaccinia virus, MVA. NR-2634 lot 5075330, genomic DNA was isolated from a preparation of cell lysate and supernatant from hamster kidney cells (BHK-21; ATCC® CCL-10™) infected with vaccinia virus, MVA. The complete genomic sequence of MVA has been determined (GenBank: [U94848](#)).<sup>1</sup>

NR-2634 has been qualified for PCR applications by amplification of an approximately 670 base pair sequence. NR-2634 is not intended for use as a standard for quantitative PCR. Recommended dilutions for successful RT-PCR amplification are indicated on the Certificate of Analysis for each lot.

**Material Provided:**

Each vial of NR-2634 lots 62153956 and 70053989 contains 100 µL of viral genomic DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA). The viral genomic DNA is in a background of cellular nucleic acid. The vial should be centrifuged prior to opening.

Each vial of NR-2634 lot 5075330, which is **no longer available**, contained a target amount of  $1 \times 10^8$  copies of viral genomic DNA in TE buffer (pH 7.5) containing sodium azide.

**Packaging/Storage:**

NR-2634 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -60°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Genomic RNA from Vaccinia Virus, Modified Vaccinia Ankara (MVA), NR-2634."

**Biosafety Level: 1**

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services,

Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see [www.cdc.gov/biosafety/publications/bmb15/index.htm](http://www.cdc.gov/biosafety/publications/bmb15/index.htm).

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**References:**

1. Antoine, G., et al. "The Complete Genomic Sequence of the Modified Vaccinia Ankara Strain: Comparison with Other Orthopoxviruses." Virology 244 (1998): 365-396. PubMed: 9601507. GenBank: U94848.

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