

## Genomic DNA from Vaccinia Virus, IHD

### Catalog No. NR-2636

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

#### Contributor:

ATCC®

#### Manufacturer:

BEI Resources

#### Product Description:

Genomic DNA was isolated from a preparation of cell lysate and supernatant from cells infected with vaccinia virus, IHD. Lot 5100720 genomic DNA was isolated from a preparation of cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial cells (MA-104 Clone 1; ATCC® CRL-2378.1™) infected with vaccinia virus, IHD. Lot 63421352 was prepared from infected *Macaca mulatta* kidney epithelial cells (LLC-MK2 derivative; ATCC® CCL-27.1™). The IHD (International Health Division) strain was derived from the original New York City Board of Health (NYCBOH) strain.<sup>1</sup> The complete genome of vaccinia virus, IDH-W, clone IDH-W has been sequenced (GenBank: [KJ125439](https://www.ncbi.nlm.nih.gov/nuccore/KJ125439)).

NR-2636 has been qualified for PCR applications by amplification of an approximately 1100 base pairs. Recommended dilutions for successful RT-PCR amplification are indicated on the Certificate of Analysis for each lot. NR-2636 is not intended for use as a standard for quantitative PCR.

#### Material Provided:

Each vial of lot 5100720 contains a target amount of  $1 \times 10^8$  copies of viral genomic DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 7.5) containing sodium azide. The actual number of copies per vial may vary from 10-fold lower to 10-fold higher. Each vial of lot 63421352 contains 100  $\mu$ L of viral genomic DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 7.0). The number of copies per vial and the concentration are shown on the Certificate of Analysis. The viral genomic DNA is in a background of cellular nucleic acid and carrier RNA. The vial should be centrifuged prior to opening.

#### Packaging/Storage:

NR-2636 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -20°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 DNA from Vaccinia Virus, IHD, NR-2636."

#### 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).

#### Disclaimers:

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#### References:

1. Parker, R. F., et al. "Further Studies of the Infectious Unit of Vaccinia." *J. Exp. Med.* 74 (1941): 263-281.

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