

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

Catalog No. NR-2638

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, NYCBOH. Lot 5075334 was prepared from infected *Cercopithecus aethiops* kidney epithelial cells (MA-104 Clone 1; ATCC® CRL-2378.1™). Lot 63421353 was prepared from infected *Cercopithecus aethiops* kidney epithelial cells (Vero; ATCC® CCL-81™). The NYCBOH (Wyeth, calf adapted) strain was derived from a strain obtained by the NYCBOH by multiple passage in calf skin. It was used to develop Dryvax®, the live-virus vaccine used during both the World Health Organization vaccination program ending in the mid 1970s and the vaccination programs of the Department of Health and Human Services and Department of Defense which began in 2002.¹

NR-2638 has been qualified for PCR applications by amplification of an approximately 1100 base pairs. NR-2638 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 lot 5075334 contains a target amount of 1×10^8 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. The number of copies per vial and the concentration are shown on the Certificate of Analysis. Each vial of lot 63421353 contains 100 µL of viral genomic DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 7.0). 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-2638 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, New York City Board of Health (Wyeth, Calf adapted), NR-2638."

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.

Disclaimers:

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References:

- Poland, G. A., J. D. Grabenstein and J. M. Neff. "The US Smallpox Vaccination Program: A Review of a Large Modern Era Smallpox Vaccination Implementation Program." Vaccine 23 (2005): 2078-2081. PubMed: 15755574.

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