

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

Catalog No. NR-2638

For research use only. Not for human use.

Contributor:

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Product Description:

Genomic DNA was isolated from a preparation of cell lysate and supernatant from African green monkey cells (ATCC® CRL-2378.1™) infected with vaccinia virus, New York City Board of Health (NYCBH; Wyeth, calf adapted; BEI Resources NR-54).

The NYCBH (Wyeth, calf adapted) strain was derived from a strain obtained by the NYCBH 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 2,600 bp sequence. NR-2638 is not intended for use as a standard for quantitative PCR.

Material Provided:

Each vial 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. 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 the NIH Biodefense and Emerging Infections Research Resources Repository, 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, 5th ed. Washington, DC: U.S. Government Printing Office, 2007; see www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm.

Disclaimers:

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References:

1. 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.
2. Centers for Disease Control and Prevention (CDC). "Cardiac Deaths after a Mass Smallpox Vaccination Campaign--New York City, 1947." MMWR Morb. Mortal. Wkly. Rep. 52 (2003): 933-936. PubMed: 14523370.

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