

Genomic DNA from Monkeypox Virus, USA-2003

Catalog No. NR-4928

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Contributor:

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Product Description:

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 monkeypox virus, USA-2003.

Monkeypox virus, USA-2003 was isolated from the 2003 outbreak in Wisconsin.¹⁻² The complete genomic sequences of monkeypox virus, USA-2003-039 (GenBank: DQ011157) and USA-2003-044 (GenBank: DQ011153) have been determined.³

NR-4928 has been qualified for PCR applications by amplification of an approximately 1,200 bp sequence. NR-4928 is not intended for use as a standard for quantitative PCR.

Material Provided:

Each vial contains approximately 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-4928 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 Monkeypox Virus, USA-2003, NR-4928.”

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, 2009; see www.cdc.gov/biosafety/publications/bmb15/index.htm.

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References:

- Centers for Disease Control and Prevention (CDC). “Multistate Outbreak of Monkeypox—Illinois, Indiana, and Wisconsin, 2003.” MMWR Morb. Mortal. Wkly. Rep. 52 (2003): 537–540. PubMed: 12803191.
- Reed, K. D., et al. “The Detection of Monkeypox in Humans in the Western Hemisphere.” N. Engl. J. Med. 350 (2004): 342–350. PubMed: 14736926.
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