

Genomic DNA from Monkeypox Virus, USA-2003

Catalog No. NR-4928

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Genomic DNA was isolated from a preparation of cell lysate and supernatant from MA-104 Clone 1 cells (ATCC® CRL-2378.1™) infected with monkeypox virus (MPXV), USA-2003.

MPXV, USA-2003 was isolated during a 2003 monkeypox outbreak in Wisconsin, USA.^{1,2} The complete genomic sequences of MPXV, 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 1100 base pairs amplicon. Recommended dilutions for successful PCR amplification are indicated on the Certificate of Analysis for each lot.

Material Provided:

Each vial of lots 57753458 and 63310224 contains approximately 100 µL of viral genomic DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA). Lot 70053399 is a 1:10 dilution of lot 63310224 and each vial contains 50 µL of genomic DNA prepared in TE buffer. 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. 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:

- 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.
- Likos, A. M., et al. "A Tale of Two Clades: Monkeypox Viruses." *J. Gen. Virol.* 86 (2005): 2661–2672. PubMed: 16186219.

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