

Product Information Sheet for NR-3071

Genomic DNA from Monkeypox Virus, WRAIR 7-61

Catalog No. NR-3071

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 *Chlorocebus aethiops* kidney epithelial cells (Vero; ATCC® CCL-81™) infected with monkeypox virus, WRAIR 7-61. Monkeypox virus, WRAIR 7-61 was isolated from a scab from a female cynomolgus monkey (*Macaca fascicularis*) that was observed with a poxvirus-like infection.¹ The complete genomic sequence of monkeypox virus, WRAIR 7-61 has been determined (GenBank: [AY603973](#)).²

NR-3071 has been qualified for PCR applications by amplification of approximately 1100 base pairs of the monkeypox hemagglutinin gene. Recommended dilutions for successful RT-PCR amplification are indicated on the Certificate of Analysis for each lot.

Material Provided:

Each vial of lot 70067148 contains approximately 100 µL of viral genomic DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 8). The viral genomic DNA is in a background of cellular nucleic acid. Each vial of lot 7554811 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). The actual number of copies per vial for lot 7554811 may vary from 10-fold lower to 10-fold higher. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-3071 was packaged aseptically in 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, WRAIR 7-61, NR-3071."

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 (BMBL). Current Edition. Washington, DC: U.S. Government Printing Office.

Disclaimers:

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References:

1. McConnell, S. J., Y. F. Herman, D. E. Mattson, and L. Erickson. "Monkey Pox Disease in Irradiated Cynomolgus Monkeys." *Nature* 195 (1962): 1128–1129.
2. Chen, N. et al. "Virulence Differences between Monkeypox Virus Isolates from West Africa and the Congo Basin." *Virology* 340 (2005): 46–63. PubMed: 16023693.
3. Di Giulio, D. B. and P. B. Eckburg. "Human Monkeypox: An Emerging Zoonosis." *Lancet Infect. Dis.* 4 (2004): 15–25. PubMed: 14720564. Erratum in: *Lancet Infect. Dis.* 4 (2004): 251.
4. Cho, C. T. and H. A. Wenner. "Monkeypox Virus." *Bacteriol. Rev.* 37 (1973): 1–18. PubMed: 4349404.

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