

Genomic DNA from Monkeypox Virus, hMPXV/USA/MA001/2022 (Lineage B.1, Clade IIb)

Catalog No. NR-58710

For research use only. Not for use in humans.

Contributor:

Centers for Disease Control and Prevention, Atlanta, Georgia, USA

Manufacturer:

BEI Resources

Product Description:

Genomic DNA was isolated from a preparation of cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial cells (BSC-40; ATCC® CRL-2761™) infected with monkeypox virus (MPXV), hMPXV/USA/MA001/2022 (Lineage B.1, Clade IIb).

MPXV, hMPXV/USA/MA001/2022 (Lineage B.1, Clade IIb) was isolated in May 2022 during a monkeypox outbreak in Massachusetts, USA.¹ The complete genomic sequence of MPXV, hMPXV/USA/MA001/2022 has been determined (GenBank: [ON563414.3](https://www.ncbi.nlm.nih.gov/nuccore/ON563414.3) and GISAID: [EPI_ISL_13052289](https://gisaid.org/record/EPI_ISL_13052289)).²

NR-58710 has been qualified for PCR applications by amplification of an approximately 1000 base pairs amplicon of the HA gene. Recommended dilutions for successful PCR amplification are indicated on the Certificate of Analysis for each lot.

Material Provided:

Each vial contains approximately 100 µL of genomic DNA prepared in TE buffer (10 mM Tris-HCl, 1 mM EDTA). The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-58710 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, hMPXV/USA/MA001/2022 (Lineage B.1, Clade IIb), NR-58710.”

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:

You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use, and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure the authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers, and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

Use Restrictions:

This material is distributed for internal research, non-commercial purposes only. This material, its product, or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products, or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before the first commercial sale.

References:

1. [GenBank: ON563414.3](https://www.ncbi.nlm.nih.gov/nuccore/ON563414.3)
2. [GISAID](https://gisaid.org/record/EPI_ISL_13052289)

ATCC® is a trademark of the American Type Culture Collection.

