

SARS-Related Coronavirus 2, Isolate hCoV-19/USA/NY/PV96109/2023 (Lineage JN.1), Gamma-Irradiated

Catalog No. NR-59952

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

NR-59952 consists of a crude preparation of cell lysate and supernatant from *Chlorocebus aethiops* kidney epithelial cells expressing transmembrane protease, serine 2 and human angiotensin-converting enzyme 2 (Vero E6-TMPRSS2-T2A-ACE2; VTA; BEI Resources NR-54970) infected with severe acute respiratory syndrome-related coronavirus 2 (SARS-CoV-2), isolate hCoV-19/USA/NY/PV96109/2023 that was gamma-irradiated (5×10^6 RADs) on dry ice, followed by sonication.

SARS-CoV-2, isolate hCoV-19/USA/NY/PV96109/2023 was isolated from a human nasopharyngeal swab in 2023, in New York, USA.¹

The complete genome of SARS-CoV-2, isolate hCoV-19/USA/NY/PV96109/2023 has been sequenced (GISAID: EPI_ISL_18563626).^{1,2}

Material Provided:

Each vial contains approximately 0.5 mL of gamma-irradiated and sonicated cell lysate and supernatant from VTA cells infected with SARS-CoV-2, isolate hCoV-19/USA/NY/PV96109/2023.

Packaging/Storage:

NR-59952 was packaged aseptically in cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: SARS-Related Coronavirus 2, Isolate hCoV-19/USA/NY/PV96109/2023 (Lineage JN.1), Gamma-Irradiated, NR-59952."

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. [GISAID](https://gisaid.org)
2. Rambaut, A., et al. "A Dynamic Nomenclature Proposal for SARS-CoV-2 Lineages to Assist Genomic Epidemiology." *Nat. Microbiol.* 5 (2020): 1403-1407. PubMed: 32669681.

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