

**SARS-Related Coronavirus 2, Isolate hCoV-19/USA/MD-HP01542/2021 (Lineage B.1.351), in *Homo sapiens* Lung Adenocarcinoma (Calu-3) Cells, Gamma-Irradiated**

**Catalog No. NR-55351**

**For research use only. Not for use in humans.**

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

NR-55351 consists of a crude preparation of cell lysate and supernatant from *Homo sapiens* lung adenocarcinoma epithelial cells (Calu-3; ATCC® HTB-55™) infected with SARS-CoV-2, isolate hCoV-19/USA/MD-HP01542/2021 that was gamma-irradiated ( $5 \times 10^6$  RADs) on dry ice, followed by sonication.

Severe acute respiratory syndrome-related coronavirus 2 (SARS-CoV-2), isolate hCoV-19/USA/MD-HP01542/2021 was isolated from a nasal swab from a human patient in January 2021 in Maryland, USA.<sup>1,2</sup>

The complete genome of SARS-CoV-2, isolate hCoV-19/USA/MD-HP01542/2021 has been sequenced (GISAID: EPI\_ISL\_890360).<sup>1,2</sup>

**Material Provided:**

Each vial contains approximately 0.5 mL of gamma-irradiated and sonicated cell lysate and supernatant from Calu-3 cells infected with SARS-CoV-2, hCoV-19/USA/MD-HP01542/2021.

**Packaging/Storage:**

NR-55351 was packaged aseptically in screw-capped plastic 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/MD-HP01542/2021 (Lineage B.1.351), in *Homo sapiens* Lung Adenocarcinoma (Calu-3) Cells, Gamma-Irradiated, NR-55351, contributed by Andrew S. Pekosz.”

**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](http://www.cdc.gov/biosafety/publications/bmb15/index.htm).

**Disclaimers:**

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**References:**

1. Pekosz, A. S., Personal Communication.
2. [GISAID](https://gisaid.org)

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