

SARS-Related Coronavirus 2, Isolate USA/MD-HP01542/2021 (Lineage B.1.351), Heat Inactivated

Catalog No. NR-55350

For research use only. Not for use in humans.

Contributor:

Andrew S. Pekosz, Ph.D., Bloomberg School of Public Health, Johns Hopkins University, Baltimore, Maryland, USA

Manufacturer:

BEI Resources

Product Description:

NR-55350 is a preparation of severe acute respiratory syndrome-related coronavirus 2 (SARS-CoV-2), isolate USA/MD-HP01542/2021 that has been inactivated by heating to 65°C for 30 minutes and diluted prior to vialing.

SARS-CoV-2, isolate USA/MD-HP01542/2021 was isolated from a nasal swab from a human patient in January 2021 in Maryland, USA.^{1,2}

The complete genome of SARS-CoV-2, isolate hCoV-19/USA/MD-HP01542/2021 has been sequenced (GISAID: EPI_ISL_890360).^{1,2}

Material Provided:

Each vial contains approximately 0.25 mL of heat inactivated, clarified and diluted cell lysate and supernatant from Calu-3 cells infected with SARS-CoV-2, isolate USA/MD-HP01542/2021. The vial should be centrifuged prior to opening.

Note: The long-term stability of this preparation is not known at this time. It is recommended that users confirm the activity of the product if not used within three months of receipt. You may also contact BEI Resources for updated stability information.

Packaging/Storage:

NR-55350 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. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. 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 USA/MD-HP01542/2021 (Lineage B.1.351), Heat Inactivated, NR-55350, 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.

Disclaimers:

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References:

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

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