Product Information Sheet for NR-55245

SARS-Related Coronavirus 2, Isolate USA/CA_CDC_5574/2020, Heat Inactivated

Catalog No. NR-55245

For research use only. Not for use in humans.

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

Manufacturer:
BEI Resources

Product Description:
NR-55245 is a preparation of severe acute respiratory syndrome-related coronavirus 2 (SARS-CoV-2), isolate USA/CA_CDC_5574/2020 that has been inactivated by heating to 65°C for 30 minutes and diluted prior to vialing.

SARS-CoV-2, isolate USA/CA_CDC_5574/2020 was isolated from a nasopharyngeal swab on December 29, 2020 in San Diego County, California, USA.1,2

Under the nomenclature system introduced by GISAID (Global Initiative on Sharing All Influenza Data), SARS-CoV-2, isolate USA/CA_CDC_5574/2020 is assigned lineage B.1.1.7 and GISAID clade GR using Phylogenetic Assignment of Named Global Outbreak Lineages (PANGOLIN) tool.2,3,4 The complete genome of SARS-CoV-2, isolate USA/CA_CDC_5574/2020 has been sequenced (GISAID: EPI_ISL_751801).1,2

Material Provided:
Each vial contains approximately 0.25 mL of heat inactivated, clarified and diluted cell lysate and supernatant from Vero E6 cells infected with SARS-CoV-2, isolate USA/CA_CDC_5574/2020. 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-55245 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 deposited by the Centers for Disease Control and Prevention and obtained through BEI Resources, NIAID, NIH: SARS-Related Coronavirus 2, Isolate USA/CA_CDC_5574/2020, Heat Inactivated, NR-55245.”

Biosafety Level: 1

Disclaimers:
You are authorized to use this product for research use only. This product is not intended for human use.

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

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References:
1. Thornburg, N., Personal Communication.
2. GISAID


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