SARS-Related Coronavirus 2, Isolate USA-WA1/2020, Gamma-Irradiated

Catalog No. NR-52287

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-52287 consists of a crude preparation of cell lysate and supernatant from Cercopithecus aethiops kidney epithelial cells (Vero E6; ATCC® CRL-1586™) infected with severe acute respiratory syndrome-related coronavirus 2 (SARS-CoV-2), isolate USA-WA1/2020 that was gamma-irradiated (5 × 10⁶ RADs) on dry ice, followed by sonication.

SARS-CoV-2, isolate USA-WA1/2020 was isolated from an oropharyngeal swab from a patient with a respiratory illness who had recently returned from travel to the affected region of China and developed clinical disease (COVID-19) in January 2020 in Washington, USA.¹

The complete genome of SARS-CoV-2, USA-WA1/2020 has been sequenced (the isolate - GenBank: MN985325 and GISAID: EPI_ISL_404895 and after one passage in Vero cells - GenBank: MT020880). The complete genome of SARS-CoV-2, USA-WA1/2020 has been sequenced after four passages in Vero cells in collaboration with Database for Reference Grade Microbial Sequences (FDA-ARGOS; GenBank: MT246667).

Material Provided:
Each vial contains approximately 0.5 mL of gamma-irradiated and sonicated cell lysate and supernatant from Vero E6 cells infected with SARS-CoV-2, isolate USA-WA1/2020.

Packaging/Storage:
NR-52287 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 USA-WA1/2020, Gamma-Irradiated, NR-52287, contributed by the Centers for Disease Control and Prevention.”

Biosafety Level: 1

Disclaimers:
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References:

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