

Genomic RNA from SARS-Related Coronavirus 2, Isolate USA-WA1/2020

Catalog No. NR-52285

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Contributor:

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

Manufacturer:

BEI Resources

Product Description:

Genomic RNA was extracted from a preparation of cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial cells (Vero E6; ATCC® CRL-1586™) infected with SARS-related coronavirus 2 (SARS-CoV-2), isolate USA-WA1/2020.

SARS-CoV-2, 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. The complete genome of SARS-CoV-2, USA-WA1/2020 has been sequenced (the isolate - GenBank: [MN985325](https://www.ncbi.nlm.nih.gov/nuclseq/MN985325) and after one passage in Vero cells - GenBank: [MT020880](https://www.ncbi.nlm.nih.gov/nuclseq/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](https://www.ncbi.nlm.nih.gov/nuclseq/MT246667)).

Material Provided:

Each vial contains approximately 100 µL of viral genomic RNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 7.0). Each vial of lot 70033320 contains approximately 50 µL of viral genomic RNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 7.0). The viral genomic RNA is in a background of cellular nucleic acid and carrier RNA. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-52285 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -60°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

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: Genomic RNA from SARS-Related Coronavirus 2, Isolate USA-WA1/2020, NR-52285.”

Biosafety Level: 2

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. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmb15/index.htm.

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