

# Genomic RNA from SARS-Related Coronavirus 2, Isolate USA/CA\_CDC\_5574/2020 (Lineage B.1.1.7)

Catalog No. NR-55244

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

## 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; ATCC® CCL-81™) infected with severe acute respiratory syndrome-related coronavirus 2 (SARS-CoV-2), isolate USA/CA\_CDC\_5574/2020.

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.<sup>1,2</sup> 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.<sup>2,3,4</sup> The complete genome of SARS-CoV-2, isolate USA/CA\_CDC\_5574/2020 has been sequenced (GISAID: EPI\_ISL\_751801).<sup>1,2</sup>

## Material Provided:

Each vial contains approximately 100 µL of viral genomic RNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 8.0). 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-55244 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 obtained through BEI Resources, NIAID, NIH: Genomic RNA from SARS-Related Coronavirus 2, Isolate USA/CA\_CDC\_5574/2020 (Lineage B.1.1.7), NR-55244, contributed by Centers for Disease Control and Prevention."

## 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. 6th ed.

Washington, DC: U.S. Government Printing Office, 2020; see [www.cdc.gov/biosafety/publications/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

## Disclaimers:

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## References:

1. Thornburg, N., Personal Communication.
2. [GISAIID](https://gisaid.org)
3. Rambaut, A., et al. "A Dynamic Nomenclature Proposal for SARS-CoV-2 Lineages to Assist Genomic Epidemiology." *Nat. Microbiol.* 5 (2020): 1403-1407. PubMed: 32669681.
4. Mercatelli, D. and F. M. Giorgi. "Geographic and Genomic Distribution of SARS-CoV-2 Mutations." *Front. Microbiol.* (2020): doi.org/10.3389/fmicb.2020.01800. PubMed: 32793182.

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