

## Genomic RNA from Human Coronavirus (HCoV), NL63

### Catalog No. NR-44105

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

#### Contributor:

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#### Manufacturer:

BEI Resources

#### Product Description:

Genomic RNA was isolated from a preparation of cell lysate and supernatant from monkey kidney cells (LLC-MK2; ATCC® CCL-7.1™) infected with human coronavirus (HCoV), NL63. HCoV, NL63 was isolated from a nasopharyngeal aspirate from a human infant with acute respiratory disease in Amsterdam, the Netherlands, in 2003.<sup>1</sup> The complete genome of HCoV, NL63 (Amsterdam I) has been sequenced (GenBank: [AY567487](#)).

NR-44105 has been qualified for PCR applications by amplification of an approximately 1060 base pairs of the nucleoprotein gene. Recommended dilutions for successful RT-PCR amplification are indicated on the Certificate of Analysis for each lot.

#### 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-44105 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 Human Coronavirus (HCoV), NL63, NR-44105."

#### 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/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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#### References:

1. van der Hoek, L., et al. "Identification of a New Human Coronavirus." Nat. Med. 10 (2004): 368-373. PubMed: 15034574.

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