

Genomic RNA from Human Coronavirus, OC43

Catalog No. NR-56242

For research use only. Not for use in humans.

Contributor:
ATCC®

Manufacturer:
BEI Resources

Product Description:

Genomic RNA was isolated from a preparation of cell lysate and supernatant from human ileocecal colorectal adenocarcinoma cells (HRT-18G; ATCC CRL-11663™) infected with human coronavirus (HCoV), OC43. HCoV, OC43 was isolated in 1967 from a respiratory sample from a human adult with a cold-like illness in the Common Cold Unit, Salisbury, England, United Kingdom.¹

NR-56242 has been qualified for PCR applications by amplification of approximately 1100 base pairs of the nucleocapsid 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). 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-56242 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), OC43, NR-56242.”

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.

Disclaimers:

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References:

1. Vijgen, L., et al. “Complete Genomic Sequence of Human Coronavirus OC43: Molecular Clock Analysis Suggest a Relatively Recent Zoonotic Coronavirus Transmission Event.” [J. Virol.](#) 3 (2005): 1595-1604. PubMed: 15650185.

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