

**Genomic RNA from Human Coronavirus, 229E**

**Catalog No. NR-52728**

**For research use only. Not for human use.**

**Contributor:**  
ATCC®

**Manufacturer:**  
BEI Resources

**Product Description:**

Genomic RNA was extracted from a preparation of cell lysate and supernatant from human lung fibroblast cells (MRC-5; ATCC® CCL-171™) infected with human coronavirus (HCoV), 229E.

HCoV, 229E was isolated in 1962 from a human adult with minor upper respiratory illness.<sup>1</sup> The complete genome of HCoV, 229E has been sequenced (GenBank: [AF304460](#)).<sup>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-52728 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, 229E, NR-52728."

**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](#). 5th ed. Washington, DC: U.S. Government Printing Office, 2009; 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. Hamre, D. and J. J. Procknow. "A New Virus Isolated from the Human Respiratory Tract." [Proc. Soc. Exp. Biol. Med.](#) 121 (1966): 190-193. PubMed: 4285768.
2. Thiel, V., et al. "Infectious RNA Transcribed *in vitro* from a cDNA Copy of the Human Coronavirus Genome Cloned in Vaccinia Virus." [J. Gen. Virol.](#) 82 (2001): 1273-1281. PubMed: 11369870.

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