

Human Coronavirus, NL63, Heat Inactivated

Catalog No. NR-53530

For research use only. Not for use in humans.

Contributor:

Lia van der Hoek, Ph.D., Department of Human Retrovirology, Academic Medical Center, University of Amsterdam, Amsterdam, the Netherlands

Manufacturer:

BEI Resources

Product Description:

NR-53530 is a preparation of human coronavirus (HCoV), NL63 that has been inactivated by heating to 65°C for 30 minutes and diluted prior to vialing.

HCoV, NL63 was isolated in 2003 from nasopharyngeal aspirate of human infant with acute respiratory disease in Amsterdam.^{1,2} The complete genome of HCoV, NL63 has been sequenced (GenBank: [AY567487](https://www.ncbi.nlm.nih.gov/nuccore/AY567487)).^{1,2}

Material Provided:

Each vial contains approximately 0.25 mL of heat inactivated, clarified and diluted cell lysate and supernatant from *Macaca mulatta* kidney epithelial cells infected with HCoV, NL63. The vial should be centrifuged prior to opening.

Note: The long-term stability of this preparation is not known at this time. It is recommended that users confirm the activity of the product if not used within three months of receipt. You may also contact BEI Resources for updated stability information.

Packaging/Storage:

NR-53530 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Human Coronavirus, NL63, Heat Inactivated, NR-53530."

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.

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References:

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

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