Product Information Sheet for NR-470

Human Coronavirus (HCoV), NL63

Catalog No. NR-470

For research use only. Not for human use.

Contributor:
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Manufacturer:
NIH Biodefense and Emerging Infections Research Resources Repository

Product Description:

Virus Classification: Nodovirales, Coronavirus, Coronavirus

Agent: Human coronavirus (HCoV)

Strain/Isolate: NL63 (Amsterdam I)

Original Source: Nasopharyngeal aspirate of human infant with acute respiratory disease (Amsterdam, 2003)

Comments: The complete genome of HCoV, NL63 (Amsterdam I) has been sequenced (GenBank: AY567487).

Material Provided:
Each vial contains approximately 1 mL of cell lysate and supernatant from monkey kidney cells (LLC-MK2; ATCC® CCL-7.1™) infected with HCoV, NL63.

Packaging/Storage:
NR-470 was packaged aseptically, in screw-capped plastic cryovials. The product is provided frozen and should be stored at -80°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.

Growth Conditions:

Host: LLC-MK2 cells (ATCC® CCL-7.1™)

Growth Medium: Eagle’s Minimum Essential Medium supplemented with 2% fetal bovine serum, or equivalent (lot-specific details are on the Certificate of Analysis)

Infection: Cells should be 24 to 48 hours old and 90% confluent (not 100% confluent)

Incubation: 6 days at 34°C and 5% CO2

Cytopathic Effect: Cell lysis

Citation:
Acknowledgment for publications should read “The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Human Coronavirus (HCoV), NL63, NR-470.”

Biosafety Level: 2


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References:

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