Product Information Sheet for NR-56699

SARS-Related Coronavirus 2, Isolate hCoV-19/France/PAC-IHUMI-6070/2022 p2 (Lineage AY.4 plus Omicron; XD Variant)

Catalog No. NR-56699

For research use only. Not for use in humans.

Contributor:
Dr. Bernard La Scola, the Hospital-University Institute (IHU), Méditerranée Infection, Marseille, France

Manufacturer:
BEI Resources

Product Description:

Virus Classification: Coronaviridae, Betacoronavirus
Species: Severe acute respiratory syndrome-related coronavirus 2
Strain/Isolate: hCoV-19/France/PAC-IHUMI-6070/2022
Original Source: Severe acute respiratory syndrome-related coronavirus 2 (SARS-CoV-2), isolate hCoV-19/France/PAC-IHUMI-6070/2022 was isolated from a human on February 9, 2022, in France. This isolate has been passaged in Vero cells prior to deposition, thus “p2.”

Note: Genome sequence information is provided on the Certificate of Analysis and includes an analysis of all sequence variations observed for each lot.

Comments: Under the nomenclature system introduced by GISAID (Global Initiative on Sharing All Influenza Data), SARS-CoV-2, isolate hCoV-19/France/PAC-IHUMI-6070/2022, passage 2 is assigned lineage XD (Pango v.4.0.6 PANGO-v1.8, Delta (AY.4-like) (Scorpio) and GISAID clade GKA using Phylogenetic Assignment of Named Global Outbreak lineages (PANGO) tool). The complete genome of SARS-CoV-2, isolate hCoV-19/France/PAC-IHUMI-6070/2022 p2 has been sequenced (GISAID: EPI_ISL_10528736).

Packaging/Storage:

NR-56699 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.

Growth Conditions:

Host: Homo sapiens lung adenocarcinoma epithelial cells (Calu-3; ATCC® HTB-55™)
Growth Medium: Eagle’s Minimum Essential Medium containing Earle’s Balanced Salt Solution, non-essential amino acids, 2 mM L-glutamine, 1 mM sodium pyruvate and 1500 milligrams per liter of sodium bicarbonate supplemented with 2% fetal bovine serum, or equivalent
Incubation: 2 to 4 days at 37°C and 5% CO2
Cytopathic Effect: Cell rounding and sloughing

Citation:

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: SARS-Related Coronavirus 2, Isolate hCoV-19/France/PAC-IHUMI-6070/2022 p2 (Lineage AY.4 plus Omicron; XD Variant), NR-56699, deposited by Dr. Bernard La Scola.”

Biosafety Level: 3

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication:

Disclaimers:

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References:
1. GISAID
4. WHO

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