

**SARS-Related Coronavirus 2 (SARS-CoV-2)  
Lineage BQ.1.1; Omicron Variant<sup>1</sup>  
Isolate: USA/MD-HP38861/2022  
Culture Fluid (Heat Inactivated) (1 mL)**

## PRODUCT DESCRIPTION:

SARS-Related Coronavirus 2 Lineage BQ.1.1; Omicron Variant (Isolate: USA/MD-HP38861/2022) is an enveloped, positive-sense single-stranded RNA virus from the *Coronaviridae* family and the *Betacoronaviridae* genus. Severe acute respiratory syndrome-related coronavirus 2 (SARS-CoV-2), isolate hCoV-19/USA/MD-HP38861/2022 was isolated from a human on October 4, 2022, in Maryland, USA.

Under the nomenclature system introduced by GISAID (Global Initiative on Sharing All Influenza Data), SARS-CoV-2, isolate hCoV-19/USA/MD-HP38861/2022 is assigned lineage BQ.1.1 (Pango v.4.1.3 PLEARN-v1.17), Omicron (BA.5-like) (Scorpio) and GISAID clade GRA using the Phylogenetic Assignment of Named Global Outbreak lineages (PANGO) tool. The complete genome of SARS-CoV-2, isolate hCoV-19/USA/MD-HP38861/2022 has been sequenced (GISAID: EPI\_ISL\_15277944). It was labeled as VOC Omicron GRA (B.1.1.529+BA.\*), first detected in Botswana/Hong Kong/South Africa by the World Health Organization (WHO).

Each frozen aliquot contains 1 mL of heat inactivated viral culture fluid. The pre-inactivation titer was determined from an infectious aliquot.

Viral inactivation is verified after heat inactivation by the absence of viral growth in tissue culture-based infectivity assays.








## INTENDED USE:

Heat inactivated viral culture fluids are sold as consumable testing materials. The suitability and performance characteristics should be determined by your laboratory for each intended usage.

These products are NOT intended for use in the manufacture or processing of injectable products subject to licensure under section 351 of the Public Health Service Act or for any other product intended for administration to humans.

## FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.

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Revision: 00  
Effective Date: 03/14/2023

 REF	Catalog Number		Temperature Limitation
 LOT	Batch Code		Expiration Date
 RUO	For Research Use Only		Biological Risk
	Manufacturer		

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This product was manufactured in a facility which has a Quality Management System that is ISO 13485 certified.

## BIOSAFETY:

Inactivated SARS-CoV-2 should be used within a Biological Safety Level 2 (BSL-2) facility in a biosafety cabinet (BSC). Please consult your institution's regulations regarding the use of this product. For a detailed discussion on biological safety see the current edition of Biosafety in Microbiological and Biomedical Laboratories (BMBL), published by the CDC.

## PRECAUTIONS:

- Use Universal Precautions, this product is **potentially biohazardous**.
- Repetitive freezing and thawing is not recommended (aliquot material if necessary).
- To avoid cross-contamination, use separate pipette tips for all reagents.

## RECOMMENDED STORAGE:

Heat inactivated viral culture fluids should be stored at -65°C or below.

<sup>1</sup>The following reagent was obtained through BEI Resources, NIAID, NIH: SARS-Related Coronavirus 2, Isolate hCoV-19/USA/MD-HP38861/2022 (Lineage BQ.1.1; Omicron Variant), NR-58976, contributed by Dr. Andrew S. Pekosz.