



**SARS-Related Coronavirus 2 (SARS-CoV-2)
Lineage B.1.1.7; Alpha Variant*
Isolate: USA/CA_CDC_5574/2020
Culture Fluid (Heat Inactivated) (1 mL)**

Catalog Number:
0810612CFHI

PRODUCT DESCRIPTION:

SARS-Related Coronavirus 2 Lineage B.1.1.7; Alpha Variant (Isolate: USA/CA_CDC_5574/2020) 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 USA/CA_CDC_5574/2020 was isolated from a nasopharyngeal swab on December 29, 2020 in San Diego County, California, USA. Under the nomenclature system introduced by GISAID (Global Initiative on Sharing All Influenza Data), SARS-CoV-2, isolate USA/CA_CDC_5574/2020 is assigned lineage B.1.1.7 and GISAID clade GR using Phylogenetic Assignment of Named Global Outbreak LINEages (PANGOLIN) tool. The complete genome of SARS-CoV-2, isolate USA/CA_CDC_5574/2020 has been sequenced (**GISAID: EPI_ISL_751801**).

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.

BIOSAFETY:

Inactivated SARS-CoV-2 should be used within a Biological Safety Level 2 facility in a biosafety cabinet. 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.

* **The following reagent was deposited by Centers for Disease Control and Prevention and obtained through BEI Resources, NIAID, NIH: SARS-Related Coronavirus 2, Isolate USA/CA_CDC_5574/2020, NR-54011.**

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Revision: 02
Effective Date: 11/03/2022

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

PCA# 22-308
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