

**SARS-Related Coronavirus 2 (SARS-CoV-2) Lineage
B.1.617.1; Kappa Variant*
Isolate: USA/CA-Stanford-15_S02/2021
Culture Fluid (Heat Inactivated) (1 mL)**

Catalog Number:
0810623CFHI

PRODUCT DESCRIPTION:

SARS-Related Coronavirus 2 Lineage B.1.617.2; Kappa Variant (Isolate: USA/CA-Stanford-15_S02/2021) 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/CA-Stanford-15_S02/2021 (also referred to as hCoV-19/USA/CA-SU-15_S02/2021) was isolated from a mid-turbinate nasal swab from a 29-year-old male in California, USA on March 5, 2021. Under the nomenclature system introduced by GISAID (Global Initiative on Sharing All Influenza Data), SARS-CoV-2, isolate hCoV-19/USA/CA-Stanford-15_S02/2021 is assigned lineage B.1.617.1 and GISAID clade G using Phylogenetic Assignment of Named Global Outbreak LINEages (PANGOLIN) tool. SARS-CoV-2, lineage B.1.617.1 was first detected in India and labelled as a variant of interest (VOI). It was labelled as Kappa variant by the World Health Organization (WHO). **The complete genome of SARS-CoV-2, isolate hCoV-19/USA/CA-Stanford-15_S02/2021 has been sequenced (GISAID: EPI_ISL_1675223).**

Each frozen aliquot contains 1 mL of heat inactivated viral culture fluid. The culture fluid was clarified prior to heat inactivation by centrifugation to remove cellular debris. 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 or biosafety cabinet. Please consult your institution's regulations regarding the use of this product. For a detailed discussion on biological safety see the 5th edition of Biosafety in Microbiological and Biomedical Laboratories (BMBL), published by the CDC at <http://www.cdc.gov/biosafety/publications/bmbl5/index.htm>

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 obtained through BEI Resources, NIAID, NIH: SARS-Related Coronavirus 2, Isolate hCoV-19/USA/CA-Stanford-15_S02/2021 (Lineage B.1.617.1; Kappa Variant), NR-55486, contributed by Dr. Mehul Suthar and Dr. Benjamin Pinsky.**

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Revision: 00
Effective Date: 07/23/2021

	Catalog Number		Temperature Limitation
	Batch Code		Expiration Date
	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.

PCA# N/A
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