

**SARS-Related Coronavirus 2 (SARS-CoV-2)  
Lineage AY.1; Delta Variant<sup>1</sup>  
Isolate: USA/CA-VRLC086/2021  
Culture Fluid (Heat Inactivated) (1 mL)**

Catalog Number:  
0810641CFHI

**PRODUCT DESCRIPTION:**

SARS-Related Coronavirus 2 Lineage AY.1; Delta Variant (Isolate: hCoV-19/USA/CA-VRLC086/2021) 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-VRLC086/2021 was isolated from a human mid-turbinate nasal swab in California, USA on June 21, 2021. Under the nomenclature system introduced by GISAID (Global Initiative on Sharing All Influenza Data), SARS-CoV-2, isolate hCoV-19/USA/CA-VRLC086/2021 is assigned lineage AY.1 [(Pango v.3.1.11 2021-08-09), Delta (B.1.617.2-like) + K417N (Scorpio)], and GISAID clade GK using Phylogenetic Assignment of Named Global Outbreak Lineages (PANGO) tool. The complete genome of the clinical isolate of SARS-CoV-2, hCoV-19/USA/CA-VRLC086/2021 has been sequenced (GISAID: EPI\_ISL\_2987140).

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:**

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 are 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/CA-VRLC086/2021 (Delta Variant), NR-55691, contributed by Dr. Andrew S. Pekosz.

PI0810641CFHI  
Revision: 03  
Effective Date: 10/16/2023

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

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