

**SARS-Related Coronavirus 2 (SARS-CoV-2)
Lineage P.1; Gamma Variant*
Isolate: Japan/TY7-503/2021
Culture Fluid (Heat Inactivated) (1 mL)**

Catalog Number:
0810616CFHI

PRODUCT DESCRIPTION:

SARS-Related Coronavirus 2 Lineage P.1; Gamma Variant (Isolate: Japan/TY7-503/2021) 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/Japan/TY7-503/2021 (Brazil P.1) (also referred to as TY7-503, hCoV-19/Japan/IC-0564/2021) was isolated in airport quarantine in Japan from a COVID-19 positive passenger from Brazil in January 2021. Under the nomenclature system introduced by GISAID (Global Initiative on Sharing All Influenza Data), SARS-CoV-2, isolate hCoV-19/Japan/TY7-503/2021 (Brazil P.1) is assigned lineage P.1 and GISAID clade GR using Phylogenetic Assignment of Named Global Outbreak LINEages (PANGOLIN) tool. The complete genome of SARS-CoV-2, isolate hCoV-19/Japan/TY7-503/2021 (Brazil P.1) has been sequenced [Clinical isolate (referred to as hCoV-19/Japan/IC-0564/2021): **GISAID: EPI_ISL_792683; Passage 2 in Vero E6/TMPRSS2 cells: GISAID: EPI_ISL_877769**].

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.

BIO SAFETY:

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 obtained through BEI Resources, NIAID, NIH: SARS-Related Coronavirus 2, Isolate hCoV-19/Japan/TY7-503/2021 (Brazil P.1), NR-54982, contributed by National Institute of Infectious Diseases.**

PI0810616CFHI
Revision: 03
Effective Date: 06/21/2023

	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# 23-211
Page 1 of 1