

Mpox Virus¹
Isolate: USA/MA001/2022
Culture Fluid (Heat Inactivated) (1 mL)

PRODUCT DESCRIPTION:

Mpox virus (Isolate: USA/MA001/2022) is an enveloped double-stranded DNA virus with a genome size of around 190 kb. It belongs to the *Orthopoxvirus* genus of the *Poxviridae* family. Mpox virus, hMPXV/USA/MA001/2022 was isolated from a human in Massachusetts, USA in May of 2022, during an outbreak of Mpox.1 Mpox virus, hMPXV/USA/MA001/2022 belongs to Clade IIb (previously west African clade) and lineage B.1.2 The complete genome of Mpox virus, hMPXV/USA/MA001/2022 has been sequenced (GenBank: ON563414.3 and GISAID: EPI_ISL_13052289).

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 Mpox virus 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.

¹The following reagent was deposited by the Centers for Disease Control and Prevention and obtained through BEI Resources, NIAID, NIH: Mpox Virus, hMPXV/USA/MA001/2022 (Lineage B.1, Clade IIb), NR-58622.

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Effective Date: 01/30/2023

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

PCA# 22-542
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