

**Monkeypox Virus\***  
**Isolate: USA/MA001/2022**  
**Culture Fluid (Heat Inactivated) (1 mL)**

## PRODUCT DESCRIPTION:

Monkeypox 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. Monkeypox virus, hMPXV/USA/MA001/2022 was isolated from a human in Massachusetts, USA in May of 2022, during an outbreak of monkeypox.1 Monkeypox virus, hMPXV/USA/MA001/2022 belongs to Clade IIb (previously west African clade) and lineage B.1.2 The complete genome of monkeypox 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 Monkeypox 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.

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

PI0810657CFHI  
Revision: 00  
Effective Date: 09/12/2022

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

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ZeptoMetrix LLC • 878 Main Street, Buffalo, NY 14202 USA • Tel (800) 274-5487

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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