

**Monkeypox Virus, Isolate MPX Clade Ib\_USA\_CA\_2024, Gamma-Irradiated**

**Catalog No. NR-60448**

This reagent is the property of the U.S. Government.

**Product Description:**

NR-60448 consists of a gamma-irradiated preparation of cell lysate from *Chlorocebus aethiops* kidney epithelial cells (BSC-40) infected with monkeypox virus, isolate MPX Clade Ib\_USA\_CA\_2024 that was gamma-irradiated ( $5 \times 10^6$  RADs) on dry ice, followed by sonication.

The starting material (BEI Resources lot 70075616) was produced by infecting BSC-40 cells (ATCC® CRL-2761™) in Eagle's Minimum Essential Medium (ATCC® 30-2002™) supplemented with 2% fetal bovine serum (ATCC® 30-2020™) for 4 days at 37°C with 5% CO<sub>2</sub>. The titer of spin clarified lot 70075616 was  $9.2 \times 10^7$  TCID<sub>50</sub> per mL in BSC-40 cells, determined by cytopathic effect in 6 days at 37°C with 5% CO<sub>2</sub>, and sterility of the preparation was confirmed.

**Lot: 70076258**

**Manufacturing Date: 06AUG2025<sup>1</sup>**

TEST	SPECIFICATIONS	RESULTS
<b>Genome Copy Number Using BioRad QX200 Droplet Digital PCR (ddPCR™) System<sup>2,3</sup></b> (Post vial; 15 replicates)	Report results	$1.2 \times 10^9$ genome equivalents/mL
<b>Virus Inactivation (Post-Inactivation)</b> 10% of total bulk irradiated preparation was plated on Vero E6 cells for 14 days at 37°C and 5% CO <sub>2</sub> for two passages (2 passages for 2 weeks each) and evaluated for cytopathic effect <sup>4</sup>	No viable virus detected	No viable virus detected

<sup>1</sup>Dispensed 07AUG2025

<sup>2</sup>The GE value reported is obtained using Qiagen RNA extraction kit (Cat 52906).

<sup>3</sup>Test performed at BEI Resources

<sup>4</sup>Performed at University of Texas Medical Branch, Galveston, Texas, USA

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29 OCT 2025

Technical Manager or designee, ATCC Federal Solutions

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