

**Cell Lysate, MPXV hMPXV/USA/MA001/2022, Clade II with Uninfected Control BSC-40 Cell Lysate, Gamma-Irradiated**

**Catalog No. NR-59452**

**Product Description:**

NR-59452 is a cell lysate kit with two components, NR-58625 and NR-58624 (Table 1), prepared following the same procedure. NR-58625 was prepared from pelleted uninfected *Chlorocebus* (previously *Cercopithecus*) *aethiops* kidney epithelial cells (BSC-40) and NR-58624 was prepared from BSC-40 cells infected with MPXV hMPXV/USA/MA001/2022, Clade II. Lysates were gamma-irradiated ( $5 \times 10^6$  RADs) on dry ice, followed by sonication and centrifugation to clarify. The lysate containing the irradiated antigen was aliquoted and vialled.

**Table 1: MPXV Cell Lysate Kit Components**

COMPONENT NUMBER	DESCRIPTION	LOT NUMBER	DATE OF MANUFACTURE
NR-58625	Gamma-irradiated uninfected BSC-40 cell lysate control	70055680	12SEP2022
NR-58624	Gamma-irradiated SARS-CoV-2, isolate MPXV hMPXV/USA/MA001/2022, Clade II cell lysate	70055678	03AUG2022

**Table 2: Gamma-Irradiated MPXV hMPXV/USA/MA001/2022, Clade II infected BSC-40 Cell Lysate (NR-58624)**

TEST	SPECIFICATIONS	RESULTS
<b>Virus Inactivation</b>  10% of total bulk gamma-irradiated preparation inoculated on BSC-40 cells and evaluated for cytopathic effect and by qPCR. <sup>1,2</sup>	No viable virus detected	No viable virus detected

<sup>1</sup>Inactivation testing performed at BEI Resources.

<sup>2</sup>The gamma-irradiated virus preparation was plated on BSC-40 cells and incubated for 14 days at 37°C and 5% CO<sub>2</sub>. Cell lysate and supernatant from these cultures were blind passaged on fresh monolayers of BSC-40 cells and again incubated for 14 days at 37°C and 5% CO<sub>2</sub>.

/Sonia Bjorum Brower/

Sonia Bjorum Brower

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Technical Manager or designee, ATCC Federal Solutions

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