

# Influenza A Virus, A/bovine/Ohio/B24OSU-439/2024 (H5N1), Tissue Culture Adapted, Gamma-Irradiated

Catalog No. NR-59886

## Product Description:

NR-59886 lot 70070836 is a preparation of influenza A virus, A/bovine/Ohio/B24OSU-439/2024 (H5N1) (TC) which has been inactivated by gamma-irradiation at  $5.0 \times 10^6$  RADS on dry ice, followed by sonication.

Production and quality control information for the starting material can be found on the COA for the source virus (BEI Resources NR-59872 lot 70070368). The titer of the starting material was determined by cytopathic effect to be  $3.1 \times 10^6$  TCID<sub>50</sub> per mL in 7 days at 37°C and 5% CO<sub>2</sub> in MDCK cells. The sterility of the preparation was confirmed.

Lot: 70070836

Manufacturing Date: 20AUG2024<sup>1</sup>

TEST	SPECIFICATIONS	RESULTS
<b>Genome Copy Number Using BioRad QX200 Droplet Digital PCR (ddPCR™) System<sup>2</sup></b> (15 replicates)	Report results	$7.34 \times 10^8$ genome equivalents per mL <sup>3</sup>
<b>Virus Inactivation</b> 10% of total bulk gamma-irradiated preparation inoculated on MDCK cells and evaluated for cytopathic effect and presence of viral RNA by Immunofluorescence assay <sup>4,5</sup>	No viable virus detected	No viable virus detected

<sup>1</sup>Dispensed 27AUG2024

<sup>2</sup>The genome equivalents number reported is obtained using Qiagen RNA extraction kit (Cat 52906).

<sup>3</sup>This value is assay-dependent; the material is not suitable for use as a standard.

<sup>4</sup>The gamma-irradiated virus preparation was plated on MDCK 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 MDCK cells and again incubated for 14 days at 37°C and 5% CO<sub>2</sub>.

<sup>5</sup>Inactivation testing performed at UTMB.

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22 OCT 2024

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