

## Vaccinia Virus, Modified Vaccinia Ankara (MVA)

### Catalog No. NR-1

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**Product Description:** Cell lysate and supernatant from chicken embryo fibroblast (CEF; SL-29) cells<sup>1</sup> infected with vaccinia virus, MVA.

**Lot<sup>2,3</sup>:** 7704329

**Manufacturing Date:** 02DEC2006

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in SL-29 Cells <sup>1</sup>	Cell rounding and cell lysis	Cell rounding and cell lysis
PCR Amplification and Sequencing of Strain-Specific Region	Vaccinia virus, MVA	Vaccinia virus, MVA
Titer by TCID <sub>50</sub> Assay <sup>4,5</sup> in SL-29 Cells <sup>1</sup>	Report results	8.9 X 10 <sup>6</sup> TCID <sub>50</sub> /mL
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth <sup>6</sup> , 37°C and 26°C, aerobic Trypticase soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°C, aerobic Sheep blood agar, 37°C, aerobic Sheep blood agar, 37°C, anaerobic Thioglycollate broth, 37°C, anaerobic DMEM with 10% FBS, 37°C and 5% CO <sub>2</sub>	No growth No growth No growth No growth No growth No growth No growth	No growth No growth No growth No growth No growth No growth No growth
<b>Mycoplasma Contamination</b> Agar and broth culture (14-day incubation at 37°C) DNA detection by PCR of extracted Test Article nucleic acid	None detected None detected	None detected None detected

<sup>1</sup>SL-29 cells: ATCC<sup>®</sup> CRL-1590<sup>™</sup>.

<sup>2</sup>Vaccinia virus, MVA (BEI Resources NRS-1, lot 3561933), grown in CEF cells, was used as the inoculum. The inoculum for BEI Resources NRS-1, lot 3561933 was also prepared in CEF cells and provided by the National Institute of Allergy and Infectious Diseases, National Institutes of Health.

<sup>3</sup>Grown in Dulbecco's Modified Eagle's Medium (GIBCO<sup>®</sup> 11960-044) supplemented with 5% iron-supplemented calf serum (Sigma<sup>®</sup> C8056), 5% tryptose phosphate broth, 4 mM L-glutamine (GIBCO<sup>®</sup> 25030-081), and 1 mM sodium pyruvate (GIBCO<sup>®</sup> 11360-070) for 5 days at 37°C and 5% CO<sub>2</sub>.

<sup>4</sup>The Tissue Culture Infectious Dose 50% (TCID<sub>50</sub>) endpoint is the 50% infectious endpoint in cell culture. The TCID<sub>50</sub> is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the culture vessels inoculated, just as a Lethal Dose 50% (LD<sub>50</sub>) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID<sub>50</sub> provides a measure of the titer (or infectivity) of a virus preparation.

<sup>5</sup>7 days at 37°C and 5% CO<sub>2</sub> with media overlay.

<sup>6</sup>Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

**Date:** 28 FEB 2007

**Signature:** Signature on File

**Title:** Technical Manager, BEI Authentication

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