

## Vaccinia Virus, Modified Vaccinia Ankara (MVA), From BHK-21 Cells

### Catalog No. NR-726

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**Product Description:** Cell lysate and supernatant from hamster kidney cells (BHK-21) cells<sup>1</sup> infected with vaccinia virus, MVA.<sup>2</sup>

**Lot<sup>3</sup>:** 4225252

**Manufacturing Date:** 18APR2005

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in BHK-21 Cells <sup>1</sup>	Cell rounding and cell lysis	Cell rounding and cell lysis
PCR Amplification of Strain-Specific Sequence	Vaccinia virus, MVA	Vaccinia virus, MVA
Titer by TCID <sub>50</sub> Assay <sup>4,5</sup> in VERO C1008 (E6) Cells <sup>6</sup>	Report results	2.8 X 10 <sup>7</sup> TCID <sub>50</sub> /mL
Titer by Plaque Assay <sup>7</sup> in VERO C1008 (E6) Cells <sup>6</sup>	Report results	3.9 X 10 <sup>7</sup> pfu/mL
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth <sup>8</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 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>BHK-21 cells: ATCC® CCL-10™.

<sup>2</sup>Vaccinia virus, MVA: BEI Resources NR-1, lot 3564849. The inoculum for BEI Resources NR-1, lot 3564849 was prepared in chicken embryo fibroblast (CEF) cells and provided by the National Institute of Allergy and Infectious Diseases, National Institutes of Health.

<sup>3</sup>Grown in Minimum Essential Medium containing Earle's salts and non-essential amino acids (GIBCO® 10370-021) supplemented with 2% irradiated fetal bovine serum (Cambrex 14-471F), 2 mM L-glutamine (GIBCO® 25030-081), and 1 mM sodium pyruvate (GIBCO® 11360-070) for 4 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>4 days at 37°C and 5% CO<sub>2</sub> with media overlay.

<sup>6</sup>VERO C1008 (E6) cells: ATCC® CRL-1586™; also available as BEI Resources NR-596.

<sup>7</sup>72 hours at 37°C and 5% CO<sub>2</sub> with media overlay and crystal violet staining.

<sup>8</sup>Atlas, Ronald M. Handbook of Microbiological Media. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

**Date:** 29 JAN 2007

**Signature:** Signature on File

**Title:** Technical Manager, BEI Authentication

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