

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) cells¹ infected with vaccinia virus, MVA.

Lot^{2,3}: 3564849

Manufacturing Date: 01MAR2004

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in SL-29 Cells¹	Cell rounding and cell lysis	Cell rounding and cell lysis
PCR Amplification of Strain-Specific Sequence	Vaccinia virus, MVA	Vaccinia virus, MVA
Titer by TCID₅₀ Assay^{4,5} in SL-29 Cells¹	Report results	2.8 X 10 ⁸ TCID ₅₀ /mL
Sterility (21-day incubation) Harpo's HTYE broth ⁶ , 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 ₂	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
Mycoplasma Contamination 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

¹SL-29 cells: ATCC® CRL-1590™.

²Source virus for this lot was prepared in CEF cells and provided by the National Institute of Allergy and Infectious Diseases, National Institutes of Health.

³Grown in Dulbecco's Modified Eagle's Medium (ATCC® 30-2002) supplemented with 5% fetal bovine serum (ATCC® 30-2021) and 5% tryptose phosphate broth for 4 days at 37°C and 5% CO₂.

⁴The Tissue Culture Infectious Dose 50% (TCID₅₀) endpoint is the 50% infectious endpoint in cell culture. The TCID₅₀ 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% (LD₅₀) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID₅₀ provides a measure of the titer (or infectivity) of a virus preparation.

⁵12 days at 37°C and 5% CO₂ with media overlay.

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

Date: 14 JUN 2006

Signature: Signature on File

Title: Technical Manager, BEI Authentication

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