

Vaccinia Virus, Western Reserve (Mouse adapted)

Catalog No. NR-56

(Derived from ATCC® VR-119™)

Product Description: Cell lysate and supernatant from African green monkey kidney (Vero) cells¹ infected with vaccinia virus, Western Reserve (mouse adapted).

Lot²: 3579606

Manufacturing Date: 06MAR2004

| TEST | SPECIFICATIONS | RESULTS |
|--|---|---|
| Identification by Infectivity in Vero Cells¹ | Cell rounding and cell lysis | Cell rounding and cell lysis |
| PCR Amplification of Species-Specific Sequence | Vaccinia virus | Vaccinia virus |
| Titer by TCID₅₀ Assay^{3,4} in Vero Cells¹ | Report results | 2.5 X 10 ⁶ TCID ₅₀ /mL |
| Sterility (21-day incubation) Harpo's HTYE broth ⁵ , 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 |

¹Vero cells: ATCC® CCL-81™.

²Grown in Eagle's Minimum Essential Medium containing Earle's salts and non-essential amino acids (ATCC® 30-2003) supplemented with 2% fetal bovine serum (ATCC® 30-2021) for 3 days at 37°C and 5% CO₂.

³The 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.

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

⁵Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 12 JUN 2006

Signature: Signature on File

Title: Technical Manager, BEI Authentication

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