

Vaccinia Virus, Western Reserve, Recombinant Expressing Machupo Virus, Carvallo Glycoprotein

Catalog No. NR-15501

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Product Description: Cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial cells¹ infected with recombinant vaccinia virus (rVACV), Western Reserve expressing the glycoprotein precursor of Machupo virus (MACV), Carvallo (rVACV-MACV GPC)

Lot²: 59498352

Date of Manufacture: 25MAR2011

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in BSC-40 Cells ¹	Cell rounding and detachment	Cell rounding and detachment
Sequencing of MACV GPC Coding Region (1453 nucleotides)	Consistent with depositor's sequence	Consistent with depositor's sequence ³
Titer by Plaque Assay in BSC-40 Cells ^{1,4}	Report results	6.7 × 10 ⁷ pfu per 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 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

¹BSC-40 cells: ATCC® CCL-2761™

²Grown in Dulbecco's Modified Eagle Medium (Invitrogen™ 11960-044) supplemented with 10% fetal bovine serum (ATCC® 30-2020), 1 mM sodium pyruvate (Invitrogen™ 11360-070), and 2 mM L-glutamine (Invitrogen™ 25030-081) for 3 days at 37°C and 5% CO₂

³NR-15501 contains a synthetic codon-optimized version of the MACV GPC ORF; the encoded amino acid sequence is identical to GenPept AAN09942.

⁴3 days at 37°C and 5% CO₂ with media overlay and crystal violet staining

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

Date: 02 MAY 2012

Signature:



Title:

Technical Manager, BEI Authentication or designee

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