

**Vaccinia Virus, Western Reserve, Recombinant Expressing Junin Virus, XJ13 L Protein**

**Catalog No. NR-15491**

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**Product Description:** Cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial cells<sup>1</sup> infected with recombinant vaccinia virus (rVACV), Western Reserve expressing the L protein of Junin virus (JUNV), XJ13 (rVACV-JUNV XJ13 L)

**Lot<sup>2</sup>: 59330605**

**Manufacturing Date: 17JUN2011**

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in BSC-40 Cells <sup>1</sup>	Cell rounding and sloughing	Cell rounding and sloughing
Sequencing of JUNV L Coding Region (1401 nucleotides) <sup>3</sup>	Consistent with JUNV XJ13	Identical to JUNV XJ13 (GenBank AY358022)
Titer by Plaque Assay in BSC-40 Cells <sup>1,4</sup>	Report results	5.8 × 10 <sup>6</sup> pfu/mL
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth <sup>5</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>BSC-40 cells: ATCC® CCL-2761™

<sup>2</sup>Grown in Dulbecco's Modified Eagle Medium (ATCC® 30-2002™) supplemented with 10% fetal bovine serum (ATCC® 30-2020™) for 3 days at 37°C and 5% CO<sub>2</sub>

<sup>3</sup>PCR amplification and sequencing of rVACV-JUNV XJ13 L DNA using primers specific for the pRB21 multiple cloning site confirmed the presence and identity of a JUNV XJ13 L-derived insert. However, the sequence of the entire L protein ORF (6633 nucleotides) has not been verified.

<sup>4</sup>2 days at 37°C and 5% CO<sub>2</sub> with media overlay and crystal violet staining

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

**Date:** 29 JUN 2012

**Signature:** 

**Title:** Technical Manager, BEI Authentication or designee

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