

**Human Respiratory Syncytial Virus, A1997/12-35, Purified from HEp-2 Cells**

**Catalog No. NR-43939**

**Product Description:** Human respiratory syncytial virus (RSV), A1997/12-35 purified from clarified supernatant from infected HEp-2 cells<sup>1</sup> by high speed centrifugation

**Lot<sup>2,3</sup>: 61727104**

**Manufacturing Date: 16OCT2013**

TEST	SPECIFICATIONS	RESULTS
<b>Identification by Infectivity in HEp-2 Cells<sup>1</sup></b>	Cell rounding and sloughing	Cell rounding and sloughing
<b>Sequencing of Species-Specific Region (898 nucleotides)</b>	Consistent with human RSV, A1997/12-35	99% identity with human RSV, A1997/12-35 (GenBank: JX069800)
<b>Titer by TCID<sub>50</sub> Assay<sup>4,5</sup> in HEp-2 Cells<sup>1</sup></b>	Report results	8.9 × 10 <sup>5</sup> TCID <sub>50</sub> per mL
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth <sup>6</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
<b>Mycoplasma Contamination</b> Agar and broth culture (14-day incubation at 37°C) DNA Detection by PCR of Test Article nucleic acid	None detected None detected	None detected None detected

<sup>1</sup>HEp-2 cells: ATCC® CCL-23™

<sup>2</sup>Prepared by growth of RSV, A1997/12-35 (BEI Resources NR-28527, lot 61788280) for a single passage in HEp-2 cells followed by virus purification by high speed centrifugation of clarified supernatant

<sup>3</sup>Grown in Eagle's Minimum Essential Medium (ATCC® 30-2003™) supplemented with 2% fetal bovine serum (ATCC® 30-2020™) for 7 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>7 days at 37°C and 5% CO<sub>2</sub>

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

**Date:** 02 APR 2014

**Signature:** 

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

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