

**Human Respiratory Syncytial Virus, A2001/3-12**

**Catalog No. NR-28526**

**Product Description:** Cell lysate and supernatant from HEp-2 cells<sup>1</sup> infected with human respiratory syncytial virus, A2001/3-12

**Lot<sup>2</sup>: 63069012**

**Manufacturing Date: 11NOV2014**

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in HEp-2 Cells <sup>1</sup>	Cell detachment and syncytia formation	Cell detachment and syncytia formation
Identification by Direct Fluorescent Antibody (DFA) Assay <sup>3</sup>	Fluorescence observed	Fluorescence observed
Sequencing of Species-Specific Region (638 nucleotides)	Consistent with human respiratory syncytial virus, A2001/3-12	100% identity with human respiratory syncytial virus, A2001/3-12 (GenBank: JX069799)
Titer by TCID <sub>50</sub> Assay <sup>4,5</sup> in HEp-2 Cells <sup>1</sup> with DFA Readout <sup>3</sup>	Report results	1.6 × 10 <sup>8</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>Grown in Eagle's Minimum Essential Medium (ATCC® 30-2003™) supplemented with 2% fetal bovine serum (ATCC® 30-2020™) for 4 days at 37°C and 5% CO<sub>2</sub>

<sup>3</sup>Using LIGHT DIAGNOSTICS™ Anti-Respiratory Syncytial Virus FITC Reagent (Millipore 5022)

<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>8 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:** 06 FEB 2015

**Signature:** 

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

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