

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

**Catalog No. NR-28526**

**Product Description:**

Human respiratory syncytial virus (RSV), A2001/3-12 was isolated from a nasal wash from an infant with RSV bronchiolitis in Nashville, Tennessee, USA, on March 12, 2001. NR-28526 lot 70063139 was produced by infecting *Homo sapiens* carcinoma cells (HEp-2; ATCC® CCL-23™) with seed material (BEI Resources lot 59927470) and incubating in Eagle's Minimum Essential Medium (ATCC® 30-2003™) supplemented with 2% fetal bovine serum (ATCC® 30-2020™) for 4 days at 37°C with 5% CO<sub>2</sub>.

**Passage History:**

HEp-2(12)/HEp-2(7) (Prior to deposit at BEI Resources/BEI Resources); HEp-2 = *Homo sapiens* carcinoma cells

**Lot: 70063139**

**Manufacturing Date: 02SEP2023**

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in HEp-2 Cells	Cell rounding and detachment	Cell rounding and detachment
Identification by Fluorescent Antibody Assay <sup>1</sup>	Fluorescence observed	Fluorescence observed
Sequencing of Species-Specific Region (~ 710 nucleotides)	≥ 98% identity with RSV, A2001/3-12 (GenBank: JX069799.1)	99.9% identity with RSV, A2001/3-12 (GenBank: JX069799.1)
Titer by TCID <sub>50</sub> Assay in HEp-2 Cells by Fluorescent Antibody Assay <sup>1,2</sup> (8 days at 37°C with 5% CO <sub>2</sub> )	Report results	8.9 × 10 <sup>5</sup> TCID <sub>50</sub> /mL
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth, 37°C and 26°C, aerobic <sup>3</sup> 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, aerobic	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>Using goat anti-respiratory syncytial virus primary antibody (BioRad® 7950-0004)

<sup>2</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>3</sup>Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798

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