

**Human Respiratory Syncytial Virus, A/Homo sapiens/ARG/177/2006**

**Catalog No. NR-48671**

**Product Description:**

Human respiratory syncytial virus (RSV), A/Homo sapiens/ARG/177/2006 was isolated from the nasal cavity of a human in Buenos Aires, Argentina on June 6, 2006. NR-48671 lot 70039172 was produced by infecting HEp-2 cells (ATCC® CCL-23™) and incubating in Eagle's Minimum Essential Medium (ATCC® 30-2003™) supplemented with 2% fetal bovine serum (ATCC® 30-2020™) for 5 days at 37°C with 5% CO<sub>2</sub>.

**Passage History:**

X(2)/H(4) (Prior to deposit at BEI Resources/BEI Resources); X = Unknown cells; H = HEp-2 cells

**Lot: 70039172**

**Manufacturing Date: 06OCT2020**

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in HEp-2 Cells	Cell rounding, syncytia formation, and detachment	Cell rounding, syncytia formation, and detachment
Identification by Direct Fluorescent Antibody (DFA) Assay <sup>1</sup>	Fluorescence observed	Fluorescence observed
Sequencing of Species-Specific Region (~ 630 nucleotides)	≥ 98% identity with RSV, A/Homo sapiens/ARG/177/2006 (GenBank: KF826838.1)	99.5% identity with RSV, A/Homo sapiens/ARG/177/2006 (GenBank: KF826838.1)
Titer by TCID <sub>50</sub> Assay in HEp-2 Cells by DFA Readout <sup>1,2</sup> (6 days at 37°C with 5% CO <sub>2</sub> )	Report results	8.9 × 10 <sup>5</sup> TCID <sub>50</sub> per mL
Amplification of RSV Sequence by RT-PCR	~ 900 base pair amplicon	~ 900 base pair amplicon
<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 Light Diagnostics™ Respiratory Syncytial Virus FITC reagent (Millipore® 5022)

<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.

/Heather Couch/

Heather Couch

14 JAN 2021

Program Manager or designee, ATCC Federal Solutions

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

