

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 was produced by infecting Human Epithelial carcinoma cells (HEp-2; ATCC® CCL-23™) with BEI Resources seed lot 63633071 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% CO₂ to produce this lot.

Passage History:

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

Lot: 70072728

Manufacturing Date: 19NOV2024

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in HEp-2 Cells	Cell rounding, syncytia formation, and detachment	Cell rounding, syncytia formation, and detachment
Sequencing of Species-Specific Region (~ 830 nucleotides)	≥ 98% sequence identity with human RSV, A/Homo sapiens/ARG/177/ 2006 (GenBank: KF826838.1)	100% sequence identity with human RSV, A/Homo sapiens/ARG/177/ 2006 (GenBank: KF826838.1)
Titer by TCID ₅₀ Assay in HEp-2 Cells by Immunofluorescent Staining ^{1,2} (7 days at 37°C with 5% CO ₂)	Report results	5.0 × 10 ⁷ TCID ₅₀ /mL
Sterility (21-day incubation) Harpo's HTYE broth, 37°C and 26°C, aerobic ³ 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 No growth No growth
Mycoplasma Contamination 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

¹The Tissue Culture Infectious Dose 50% (TCID₅₀) endpoint is the 50% infectious endpoint in cell culture. The TCID₅₀ 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% (LD₅₀) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID₅₀ provides a measure of the titer (or infectivity) of a virus preparation.

²Using goat anti-RSV antibody (BioRad 7950-0004) and rabbit anti-goat IgG secondary antibody (BioRad STAR122F)

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

/Sonia Bjorun Brower/

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25 FEB 2025

Technical Manager or designee, ATCC Federal Solutions

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