

Human Respiratory Syncytial Virus A, A2023/06-12NSMM

Catalog No. NR-59660

Product Description:

Human respiratory syncytial virus A (hRSV A), A2023/06-12NSMM was isolated from a nasopharyngeal swab from a pediatric patient on June 12, 2023, in Atlanta, Georgia, USA. NR-59660 was produced by infecting human epithelial carcinoma cells (HEp-2; ATCC® CCL-23™) with BEI Resources seed lot 70065876 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:

HEp-2(1)/HEp-2(2) (Emory University School of Medicine/BEI Resources); HEp-2 = human epithelial carcinoma cells

Lot: 70076418

Manufacturing Date: 10JUN2025

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in HEp-2 Cells	Cell rounding and syncytia formation	Cell rounding and syncytia formation
Sequencing of Species-Specific Region Glycoprotein gene (~ 530 nucleotides)	≥ 98% sequence identity with hRSV, A2023/06-12NSMM (GenBank: OR987486)	100% sequence identity with hRSV, A2023/06-12NSMM (GenBank: OR987486)
Titer by TCID₅₀ Assay in HEp-2 Cells by Immunofluorescent Assay^{1,2} (7 days at 37°C with 5% CO ₂)	Report results	2.8 × 10 ⁶ TCID ₅₀ /mL
Sterility test (Bact/ALERT 3D) iAST bottle (aerobic) at 32.5°C, 14-day incubation iNST bottle (anaerobic) at 32.5°C, 14-day incubation	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.

²Immunofluorescent stain performed using goat anti-RSV (BioRad 7950-0004) and rabbit anti-goat (BioRad STAR122F).

/Sonia Bjorum Brower/

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22 SEP 2025

Technical Manager or designee, ATCC Federal Solutions

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