

Human Respiratory Syncytial Virus, A1998/12-21

Catalog No. NR-28528

Product Description:

Human respiratory syncytial virus (RSV), A1998/12-21 was isolated from a nasal wash from an infant with RSV bronchiolitis in Tennessee, USA on December 12, 1998. NR-28528 lot 70047468 was produced by infecting *Homo sapiens* epithelial carcinoma cells (HEp-2; ATCC® CCL-23™) with seed material (BEI Resources lot 59927466) 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.

Passage History:

HE(2)/HE(10) (Prior to deposit at BEI Resources/BEI Resources); HE = HEp-2 cells

Lot: 70080221

Manufacturing Date: 04FEB2026

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 (~ 800 nucleotides)	≥ 98% sequence identity with RSV, A1998/12-21 (GenBank: JX069802.1)	99.9% sequence identity with RSV, A1998/12-21 (GenBank: JX069802.1)
Titer by TCID ₅₀ Assay in HEp-2 Cells by Immunofluorescent Staining ^{1,2} (8 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.

²Performed using Goat anti-RSV (Bio-Rad 7950-004) and Rabbit anti Goat IgG1 (Bio-Rad STAR122F)

/Sonia Bjorum Brower/

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15 APR 2026

Technical Manager or designee, ATCC Federal Solutions

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