

Human Respiratory Syncytial Virus, A1998/3-2

Catalog No. NR-28529

Product Description:

Human respiratory syncytial virus (RSV), A1998/3-2 was isolated from nasal wash from an infant with RSV bronchiolitis in Tennessee, USA in 1998. NR-28529 lot 70046188 was produced by infecting *Homo sapiens* epithelial carcinoma cells (HEp-2; ATCC® CCL-23™) with seed material (BEI Resources lot 59927464) and incubating in Dulbecco's Modified Eagle's Medium (ATCC® 30-2002™) supplemented with 2% fetal bovine serum (ATCC® 30-2020™) for 5 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: 70080222

Manufacturing Date: 22JAN2026

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 (~ 780 nucleotides)	≥ 98% sequence identity with RSV, A1998/3-2 (GenBank: JX069801.1)	100% sequence identity with RSV, A1998/3-2 (GenBank: JX069801.1)
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	1.6 × 10 ⁵ 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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