

Human Respiratory Syncytial Virus, A2000/3-4

Catalog No. NR-28530

Product Description:

Human respiratory syncytial virus (RSV), A2000/3-4 was isolated from a nasal wash from an infant with RSV bronchiolitis in Nashville, Tennessee, USA, on March 4, 2000. NR-28530 lot 70063761 was produced by infecting *Homo sapiens* carcinoma cells (HEp-2; ATCC® CCL-23™) with BEI Resources seed lot 61091950 and incubating in Eagle’s Minimum Essential Medium (ATCC® 30-2003™) supplemented with 2% fetal bovine serum (ATCC® 30-2020™) for 7 days at 37°C with 5% CO₂ to product this lot.

Passage History:

HEp-2(11)/HEp-2(12) (Prior to deposit at BEI Resources/BEI Resources); HEp-2 = *Homo sapiens* carcinoma cells

Lot: 70063761

Manufacturing Date: 21NOV2023

BEI Resources is committed to ensuring digital accessibility for people with disabilities. This Certificate of Analysis contains complex tables and may not be fully accessible. Please let us know if you encounter accessibility barriers and a fully accessible document will be provided: E-mail: Contact@BEIResources.org. We try to respond to feedback within 24 hours.

| TEST | SPECIFICATIONS | RESULTS |
|---|---|---|
| Identification by Infectivity in HEp-2 Cells | Cell rounding and detachment | Cell rounding and detachment |
| Sequencing of Species-Specific Region (~ 830 nucleotides) | ≥ 98% identity with RSV, A2000/3-4 (GenBank: JX069803.1) | 99.8% identity with RSV, A2000/3-4 (GenBank: JX069803.1) |
| Titer by TCID₅₀ Assay in HEp-2 Cells by Fluorescent Antibody Assay¹ (9 days at 37°C with 5% CO ₂) | Report results | 2.8 × 10 ⁶ TCID ₅₀ /mL |
| Sterility (21-day incubation) Harpo’s HTYE broth, 37°C and 26°C, aerobic ² 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 |
| 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.

²Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

/Sonia Bjorum Brower/

Sonia Bjorum Brower

10 APR 2024

Technical 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.

