

Homo sapiens Lung Carcinoma Cells (A549), Serum-Free

Catalog No. NR-52268

Product Description:

NR-52268 contains a preparation of human (*Homo sapiens*) lung carcinoma cells (A549) grown in a serum-free medium. A549 cells grown in serum-free medium are useful for downstream vaccine development for viruses like enterovirus D68.

Note: A549 is not a competent cell-line for infection with coronaviruses like severe acute respiratory syndrome-related coronavirus 2 (SARS-CoV-2).

Lot: 70043700

Manufacturing Date: 07MAY2021

TEST	SPECIFICATIONS	RESULTS
Growth Properties	Adherent	Adherent
Morphology	Epithelial	Epithelial
Multiplex PCR Amplification of Cytochrome C Oxidase I (COI) Gene	Human origin No evidence of another species	Human origin No evidence of another species
Total Cell Count	> 1.0 × 10 ⁶ cells per vial	3.7 × 10 ⁶ cells per vial
Post-Freeze Viability	≥ 50%	74.9%
Sterility (21-day incubation) Harpo's HTYE broth, 37°C and 26°C, aerobic ¹ 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 and 5% CO ₂	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 Hoechst DNA stain 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 None detected None detected

¹Atlas, Ronald M. Handbook of Microbiological Media. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

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