

***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: 70033079**

**Manufacturing Date: 10FEB2020**

TEST	SPECIFICATIONS	RESULTS
<b>Growth Properties</b>	Adherent	Adherent
<b>Morphology</b>	Epithelial	Epithelial
<b>Multiplex PCR Amplification of Cytochrome C Oxidase I (COI) Gene</b>	Human origin No evidence of another species	Human origin No evidence of another species
<b>Total Cell Count</b>	> 1.0 × 10 <sup>6</sup> cells per vial	2.2 × 10 <sup>6</sup> cells per vial
<b>Post-Freeze Viability</b>	≥ 50%	88.5%
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth, 37°C and 26°C, aerobic <sup>1</sup> 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 <sub>2</sub>	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
<b>Mycoplasma Contamination</b> 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

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

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