

***Homo sapiens* Lung Adenocarcinoma Cells (Clone 2B4) with High Expression of Human Angiotensin-Converting Enzyme 2 [Calu-3 (Clone 2B4)-ACE2]**

Catalog No. NR-55340

Product Description:

NR-55340 [Calu-3 (Clone 2B4)-ACE2] contains a preparation of *Homo sapiens* lung adenocarcinoma cells (Calu-3) which were cloned by standard limiting dilution to select a clone that expresses increased levels of angiotensin-converting enzyme 2 (ACE2).

Lot: 70044248

Manufacturing Date: 24MAY2021

TEST	SPECIFICATIONS	RESULTS
Growth Properties	Adherent	Adherent
Morphology	Epithelial	Epithelial
Multiplex PCR Amplification of Cytochrome C Oxidase I (COI) Gene	<i>Homo sapiens</i> origin No evidence of another species	<i>Homo sapiens</i> origin No evidence of another species
Total Cell Count	> 1.0 × 10 ⁶ cells per vial	2.8 × 10 ⁶ cells per vial
Post-Freeze Viability	≥ 50%	89.2%
Sterility test (BacT/ALERT 3D) iAST bottle (aerobic) at 32.5°C, 21-day incubation iNST bottle (anaerobic) at 32.5°C, 21-day incubation	No growth No growth	No growth No growth
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, 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 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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