

TASL-19 Cell Line (Vero E6-TMPRSS2+ACE2+SLC6A19)
Catalog No. NR-61124
Product Description:

NR-61124 TASL-19 (Vero E6-TMPRSS2+ACE2+SLC6A19) cell line consists of a preparation of *Chlorocebus aethiops* kidney epithelial cells (Vero E6), which were modified to express transmembrane protease, serine 2 (TMPRSS2), angiotensin-converting enzyme 2 (ACE2) and solute carrier SLC6A19. Expression of ACE2 and TMPRSS2 were confirmed by the depositor by means of flow cytometry and of SLC6A19 by western blot. Cells were grown in Eagle's Minimum Essential Medium (ATCC® 30-2003™) supplemented with 10% FBS (ATCC® 30-2020™) at 37°C with 5% CO₂.

Lot: 70084509
Manufacturing Date: 20JUL2026

TEST	SPECIFICATIONS	RESULTS
Growth Properties	Adherent	Adherent
Morphology	Epithelial	Epithelial
Multiplex PCR Amplification of Cytochrome C Oxidase I (COI) Gene	African green monkey origin No evidence of another species	African green monkey origin No evidence of another species
Total Cell Count	> 1.0 × 10 ⁶ cells/vial	4.1 × 10 ⁶ cells/vial
Post-Freeze Viability	≥ 80%	83.2%
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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