

LET1, Lung Epithelial Type I (mouse), Immortalized Cell Line

Catalog No. NR-42941

Product Description:

The lung epithelial type 1 (LET1) cell line was generated from lung cells isolated from C57BL/6 wild-type mice. The lung cells were cultured to yield lung epithelial type I cells trans-differentiated from type II epithelial cells and then immortalized by transduction with MSCV-SV40 large T antigen.

Lot: 70055120

Manufacturing Date: 12SEP2022

TEST	SPECIFICATIONS	RESULTS
Growth Properties	Adherent	Adherent
Morphology	Epithelial	Epithelial
Multiplex PCR Amplification of Cytochrome C Oxidase I (COI) Gene	Murine origin No evidence of another species	Murine origin No evidence of another species
Total Cell Count	> 1.0 × 10 ⁶ cells/vial	2.98 × 10 ⁶ cells/vial
Post-Freeze Viability	≥ 50%	94%
Sterility Test (BacT/ALERT 3D) iAST bottle (aerobic) at 32°C, 14-day incubation iNST bottle (anaerobic) at 32°C, 14-day incubation	None detected None detected	None detected None detected
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

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09 JUN 2023

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