

Product sheet

LLC1 (LL-2) | 305311

General Information

Description LLC1 (LL-2) is a cell line derived from Lewis Lung Carcinoma (LLC), a highly metastasizing murine lung carcinoma. It is maintained in culture as a suspension of cells in DMEM supplemented with 10% fetal bovine serum (FBS). LLC1 (LL-2) is a highly metastasizing murine lung carcinoma, derived from a C57BL/6 mouse. It is maintained in culture as a suspension of cells in DMEM supplemented with 10% fetal bovine serum (FBS). LLC1 (LL-2) is a highly metastasizing murine lung carcinoma, derived from a C57BL/6 mouse. It is maintained in culture as a suspension of cells in DMEM supplemented with 10% fetal bovine serum (FBS).

Organism Mouse

Tissue Lung

Disease Lung Cancer

Synonyms LL/2 (LLC1), LL/2 (LLc1), LL/2(LLc1), LL/2, LL2, LLC1, LLC, C57BL/6 LLC1 (LL-2), C57BL/6 LLC1 (LL-2) 1, C57BL/6 LLC1 (LL-2)

Characteristics

Breed/Subspecies C57BL/6

Growth properties Adherent

Identification

Citation LLC1 (LL-2) (Cytion 305311)

Biosafety level 1

NCBI_TaxID 10090

CellosaurusAccession CVCL_4358

Antigen Expression

Antigen expression H-2b

Tumorigenic Yes, C57BL

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Viruses MAP, Adenovirus, B.piliformis, Adenovirus, B.piliformis, K, Reo 3, PVM, LCM, M.pulmonis, MVM, Theiler's GD VII, Toolan's

Culture Medium DMEM, w: 4.5 g/L, w: 4 mM L-, w: 3.7 g/L NaHCO₃, w: 1.0 mM (Cytion 820300a)

Supplements 10% FBS

Dissociation Reagent

Doubling time 21

Subculturing 15' PBS (3-5')

Seeding density 1 x 10⁴ /

Fluid renewal 2-3

Post-Thaw Recovery 24

Freeze medium (FBS) + 10% DMSO

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Thawing and Culturing Cells

1. Thaw the vial rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 15 ml of pre-warmed medium.
3. Seed the cells into a T25 flask containing 37 ml of pre-warmed medium.
4. Incubate the cells at 37°C in 5% CO₂ until they reach 70% confluency.
5. Harvest the cells by trypsinization. Seed the cells into a T25 flask containing 37 ml of pre-warmed medium.
6. Incubate the cells at 37°C in 5% CO₂ until they reach 70% confluency.
7. Harvest the cells by trypsinization. Seed the cells into a T25 flask containing 37 ml of pre-warmed medium.
8. Incubate the cells at 37°C in 5% CO₂ until they reach 70% confluency.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Harvest cells by trypsinization. Resuspend cells in 1 ml of freezing medium. Aliquot into 1 ml vials. Store at -80°C.

Shipping Conditions Store at -80°C. Ship on dry ice.

Storage Conditions Store at -150°C for 196 days.

HLA

Sterility The cells are free of mycoplasmas and PCR detectable. The cells are free of endotoxins.