

Product sheet

LLC1 (LL-2) | 305311

General Information

Description LLC1 (LL-2) is a cell line derived from Lewis Lung Carcinoma (LLC), a type of non-small cell lung cancer. It is a highly tumorigenic, anchorage-dependent cell line that grows in suspension. LLC1 (LL-2) is a highly tumorigenic, anchorage-dependent cell line that grows in suspension. It is derived from a primary tumor of the lung and is characterized by its ability to form colonies in soft agar. LLC1 (LL-2) is a highly tumorigenic, anchorage-dependent cell line that grows in suspension. It is derived from a primary tumor of the lung and is characterized by its ability to form colonies in soft agar.

Organism Mammals

Tissue Lung

Disease Lung Cancer

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

Characteristics

Breed/Subspecies C57BL/6

Growth properties Adherent

Identification

Citation LLC1 (LL-2) (ATCC CCL-22) 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, Herpesvirus, Kaposi's sarcoma-associated herpesvirus, KSHV, KSHV K, Reo 3, PVM, LCM, M.pulmonis, MVM, Theiler's GD VII, Toolan's Adenovirus, B.piliformis.

Cell Line

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

Supplements 10% FBS

Dissociation Reagent Trypsin

Doubling time 21 days

Subculturing 15' trypsin digestion, wash with PBS, centrifuge (300g, 3-5 min), resuspend in fresh medium

Seeding density 1 x 10⁴ cells/cm²

Fluid renewal 2-3 times per week

Post-Thaw Recovery 24 hours recovery in fresh medium

Freeze medium DMEM + 10% FBS + 10% DMSO

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Thawing and Culturing Cells

1. Thaw the cells 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. Seed the cells into a pre-warmed flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂.
3. Once the cells have reached confluence, they can be used for experiments or passaged. Passaging should be performed using a 1:3 dilution.
4. The cells should be passaged every 3-4 days to maintain them in the exponential growth phase.
5. The cells should be passaged into a flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂.
6. The cells should be passaged into a flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂.
7. The cells should be passaged into a flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂.
8. The cells should be passaged into a flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating Cell culture medium

Freezing Procedure Seed cells into a flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂.

Shipping Conditions Cells should be shipped at 4°C.

Storage Conditions Cells should be stored at -150°C for up to 196 days.

Genotype / HLA

Sterility Cells are provided in a sterile, cryoprotected medium.