

LN229 | 305043

Description LN229 is a cell line derived from a 60-year-old male patient with acute leukemia. The cell line is characterized by the presence of the p53 (TP53) mutation and the presence of the CTT (Leu) marker. LN229 is a cell line derived from a 60-year-old male patient with acute leukemia. The cell line is characterized by the presence of the p53 (TP53) mutation and the presence of the CTT (Leu) marker.

Organism Human

Tissue Leukemia

Disease Acute leukemia

Synonyms LN229, LN229, LN229, LN229, LN229

Age 60 years

Gender Male

Ethnicity Caucasian

Morphology Leukemia

Growth properties Leukemia

Citation LN229 (ATCC CCL-229) (305043)

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_0393

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Culture Medium DMEM 4.5 g/l, Glucose 4.5 g/l, L-Glutamine 3.7 g/l, NaHCO₃ 1.0 g/l, Penicillin (100 U/ml), Streptomycin (100 U/ml), Fungizone (0.1 mg/ml)

Supplements 10% FBS

Dissociation Reagent Trypsin

Doubling time 31 days

Subculturing 1:2 to 1:10 in DMEM + 10% FBS

Fluid renewal 2-3 times per week

Freeze medium DMEM + 10% FBS + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells in a 37°C water bath.
 2. Dilute cells in DMEM + 10% FBS.
 3. Seed cells into a T75 flask.
 4. Incubate cells in a 37°C incubator with 5% CO₂.
 5. Monitor cell growth and confluency.
 6. Harvest cells when 70-80% confluent.
 7. Wash cells with PBS.
 8. Detach cells using trypsin.

Incubation Atmosphere 37°C, 5% CO₂

