

CLS-54 | 300227

General information

Description	CLS-54 is a cell line derived from a 65-year-old male patient with CLS.
Organism	Human
Tissue	CLS
Disease	CLS

Characteristics

Age	65 years
Gender	Male
Ethnicity	German
Morphology	Epithelial cells
Growth properties	Adherent

Identification and documentation

Citation	CLS-54 (Cytion 300227)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_5728

Genetic and molecular data

Tumorigenic	No, non-tumorigenic
-------------	---------------------

Notes

CLS-54 | 300227

Culture Medium

RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO₃ (Cytion 820700a)

Supplements

10% FBS

Dissociation Reagent

Trypsin

Subculturing

Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS. When cells reach confluence, they are trypsinized and seeded into new flasks. The medium is changed every 3-5 days.

Seeding density

1×10^4 cells/cm²

Fluid renewal

3-5 days

Post-Thaw Recovery

Cells are seeded into 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS. The medium is changed every 24 hours.

Freeze medium

Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS. The medium is changed every 3-5 days.

Thawing and Culturing Cells

1. Cells are thawed in a water bath at 37°C and seeded into 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS.
2. The medium is changed every 24 hours.
3. Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS. The medium is changed every 3-5 days.
4. Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS. The medium is changed every 3-5 days.
5. Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS. The medium is changed every 3-5 days.
6. Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS. The medium is changed every 3-5 days.
7. Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS. The medium is changed every 3-5 days.
8. Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS. The medium is changed every 3-5 days.

Incubation Atmosphere

37°C, 5% CO₂

CLS-54 | 300227

Flask Coating

Freezing Procedure

Shipping Conditions

Storage Conditions

Sterility

HLA

C*: '03:04:01, '04:01:01
DRB1*: 04:02:01, 07:01:01
DQA1*: '02:01:01, '03:01:01
DQB1*: '02:02:01, '03:02:01
DPB1*: 04:01:01, 11:01:01
E: '01:01:01, '01:03:01