

Product sheet

CLS-54 | 300227

General Information

Description	CLS-54 (Cytion 300227) is a cell line derived from a 65-year-old male patient in 1998. It is a CLS.
Organism	Human
Tissue	Colon
Disease	Colorectal adenocarcinoma

Characteristics

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

Identification

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

Genetic Information

Tumorigenic	Yes, in nude mice
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References

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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 cultured in RPMI 1640 medium supplemented with 10% FBS and 2.0 mM β -mercaptoethanol. Cells are grown in T25, 3-5 \times 10⁶ cells per flask. Cells are passaged every 3-4 days.

Seeding density 1 x 10⁴ cells per flask

Fluid renewal 3-5 days

Post-Thaw Recovery Cells are thawed and seeded into fresh medium. Cells are allowed to recover for 24 hours before use.

Freeze medium RPMI 1640 medium supplemented with 10% FBS and 10% DMSO

- Thawing and Culturing Cells**
1. Thaw the cells in a 37°C water bath.
 2. Centrifuge the cells at 300 x g for 3 minutes.
 3. Wash the cells with PBS.
 4. Resuspend the cells in fresh medium.
 5. Seed the cells into a T25 flask.
 6. Incubate the cells for 24 hours.
 7. Perform a cell count.
 8. Adjust the cell density.

Incubation Atmosphere 37°C, 5% CO₂

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Flask Coating

Freezing Procedure

Shipping Conditions

Storage Conditions

HLA

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