

Product sheet

CLS-439 | 300150

General Information

Description	CLS-439 is a cell line established in 1998 from a patient with a 61-year-old male.
Organism	Human
Tissue	Colon
Disease	Colorectal adenocarcinoma
Synonyms	CLS439

Subject Information

Age	61 years
Gender	Male
Ethnicity	White
Morphology	Epithelial cells
Growth properties	Adherent

Identification and Safety

Citation	CLS-439 (Cytion 300150)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_5982

Characterization and Testing

Tumorigenic	Not tumorigenic
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Additional Information

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Culture Medium McCoy5 5a, w: 3.0 g/L $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$, w: 0.1 g/L $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$, w: 2.0 mM $\text{Na}_2\text{S}_2\text{O}_8$, w: 2.2 g/L NaHCO_3 (Cytion 820200a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Doubling time 35 days

Subculturing Cells are harvested by trypsinization and washed with PBS (3-5 ml PBS T25, 5-10 ml T75, 10-20 ml T175)

Seeding density 1×10^4 cells/cm²

Fluid renewal 2-3 times per week

Post-Thaw Recovery Cells are cultured in 24-well plates at 37°C/5% CO₂

Freeze medium Culture medium + 10% DMSO

Thawing and Culturing Cells

1. Thaw the vial rapidly in a 37°C water bath, and transfer the cells to a pre-warmed tube.
2. Centrifuge the cells at 300 x g for 3 minutes, and resuspend the pellet in 1 ml of culture medium.
3. Seed the cells into a pre-warmed well of a 24-well plate.
4. Allow the cells to attach to the well for 24 hours.
5. After 24 hours, the medium is replaced with fresh culture medium.
6. The cells are cultured in 24-well plates at 37°C/5% CO₂.
7. The cells are harvested by trypsinization and washed with PBS.
8. The cells are counted and seeded into a new well.

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Incubation Atmosphere 37°C, 5% CO₂, α -MEM

Flask Coating Cell culture grade, non-adherent, non-toxic

Freezing Procedure Harvest cells, wash with PBS, resuspend in freezing medium, aliquot into 1ml vials, store at -78°C

Shipping Conditions Dry ice, -78°C

Storage Conditions -150 to 196 °C

HLA

Sterility Sterile, PCR compatible

- HLA A*: '01:01:01, '11:01:01
- B*: 08:01:01
- C*: 07:01:01
- DRB1*: 03:01:01
- DQA1*: 05:01:01
- DQB1*: 02:01:01
- DPB1*: '04:01:01G, '04:02:01G
- E: 01:01:01