

**CLS-439 | 300150**

**General Information**

<b>Description</b>	CLS-439 is a cell line derived from a 61-year-old male patient with a primary tumor of the colon. It was established in 1998 and is maintained in DMEM/F12 medium supplemented with 10% FBS. CLS.
<b>Organism</b>	Human
<b>Tissue</b>	Colon
<b>Disease</b>	Colorectal adenocarcinoma
<b>Synonyms</b>	CLS439

**Cell Characteristics**

<b>Age</b>	61 years
<b>Gender</b>	Male
<b>Ethnicity</b>	White
<b>Morphology</b>	Epithelial cells
<b>Growth properties</b>	Adherent

**Identification and Documentation**

<b>Citation</b>	CLS-439 (ATCC CRL-2978)   300150
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606
<b>CellosaurusAccession</b>	CVCL_5982

**Genetic and Molecular Data**

<b>Tumorigenic</b>	Yes
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**Additional Information**

CLS-439 | 300150

**Culture Medium** 5 ml 3.0 ml / ml 2.0 ml 2.2 ml / ml NaHCO3 (ml)

**Supplements** 10 ml FBS

**Dissociation Reagent**

**Doubling time** 35

**Subculturing** PBS (3-5 ml PBS T25 5-10 ml)

**Seeding density** 1 x 10<sup>4</sup> cells

**Fluid renewal** 2-3

**Post-Thaw Recovery** 24 37 5%

**Freeze medium** (FBS) + 10% DMSO

- 1. ...
- 2. ...
- 3. ...
- 4. ... 70%
- 5. ... 15 8
- 6. ... 300 x 3
- 7. ... 10
- 8. ...

Product sheet

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**Incubation Atmosphere** 37 °C, 5% CO<sub>2</sub>, humidified

**Flask Coating** CellStim™

**Freezing Procedure** Harvest cells into 15 ml centrifuge tubes, centrifuge at 300 x g for 5 min, remove supernatant, resuspend in 1 ml freezing medium, aliquot into 1 ml cryovials, freeze at -80 °C

**Shipping Conditions** Dry ice, -78 °C

**Storage Conditions** -150 °C to -196 °C

HLA

**Sterility** Sterile, PCR negative

- 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\*:** '04:01:01:01g, '04:02:01g
- E:** '01:01:01