

Product sheet

LS-CLS | 603390

LS-CLS

**Description** LS-CLS is a cell line derived from Mesocricetus auratus (Golden hamster) fibroblasts. It is a continuous cell line that grows in the presence of insulin, transferrin, and selenium (ITS) supplements. The cells are typically maintained in DMEM medium supplemented with 10% fetal bovine serum (FBS) and 100 U/ml penicillin, 100 U/ml streptomycin, and 100 U/ml nystatin.

**Organism** Mesocricetus auratus

**Tissue** Fibroblasts

**Disease** None

Characteristics

**Age** 1-3 months

**Gender** Male

**Morphology** Adherent, fibroblastic

**Growth properties** Continuous

References

**Citation** LS-CLS (ATCC CCL-22) Cytion 603390

**Biosafety level** 1

**NCBI\_TaxID** 10036

**CellosaurusAccession** CVCL\_5789

Media and supplements

Medium

**Culture Medium** RPMI 1640, w: 2.0 mM L-glutamine, w: 2.0 g/L NaHCO3 (ATCC 30-20 Cytion 820700a)

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<b>Supplements</b>	10% FBS
<b>Subculturing</b>	5-6 passages, 5 x 10
<b>Seeding density</b>	1 x 10 <sup>6</sup> cells/cm <sup>2</sup>
<b>Fluid renewal</b>	3-5 days
<b>Post-Thaw Recovery</b>	24-48 hours
<b>Freeze medium</b>	DMEM + 10% FBS + 10% DMSO
<b>Thawing and Culturing Cells</b>	<ol style="list-style-type: none"><li>1. Thaw cells rapidly in a 37°C water bath.</li><li>2. Dilute cells into DMEM + 10% FBS.</li><li>3. Seed cells into a T25 flask.</li><li>4. Allow cells to recover for 24-48 hours.</li><li>5. Monitor cell growth and confluency.</li><li>6. Harvest cells when 70-80% confluent.</li><li>7. Wash cells with PBS.</li><li>8. Harvest cells using trypsin.</li></ol>
<b>Incubation Atmosphere</b>	37°C, 5% CO <sub>2</sub>
<b>Flask Coating</b>	Not required
<b>Freezing Procedure</b>	Freeze cells in DMEM + 10% FBS + 10% DMSO at -78°C

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Shipping Conditions

Store at -78°C

Storage Conditions

Store at -150 to 196°C

HLA

Sterility

PCR  
Sterility