

UM-SCC-125 | 305724

General information

Description	UM-SCC-125 is a cell line derived from a primary tumor of a patient with head and neck squamous cell carcinoma (HNSCC). It is a highly aggressive cell line that grows in suspension and is characterized by its ability to form large, multicellular spheroids. The cell line is derived from a primary tumor of a patient with HNSCC, and it is characterized by its ability to form large, multicellular spheroids. It is a highly aggressive cell line that grows in suspension and is characterized by its ability to form large, multicellular spheroids. It is a highly aggressive cell line that grows in suspension and is characterized by its ability to form large, multicellular spheroids.
Organism	Human
Tissue	Head and neck, Squamous cell carcinoma
Disease	Head and neck squamous cell carcinoma (HNSCC)
Applications	Research on HNSCC; Drug screening; Cell-based assays; Cell line establishment; Cell line maintenance; Cell line characterization

Characteristics

Age	Not applicable
Gender	Not applicable
Ethnicity	Not applicable
Morphology	Epithelial
Cell type	Epithelial
Growth properties	Aggressive

Documentation

Citation	UM-SCC-125 (Cytion: 305724)
Biosafety level	1
NCBI_TaxID	9606

Additional information

UM-SCC-125 | 305724

General information

Culture Medium	DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO ₃ , w: 1.0 mM sodium pyruvate (all from Cytion 820300a)
Supplements	10% FBS
Dissociation Reagent	Accutase, 10 min, 37°C
Doubling time	24-48 h
Subculturing	Cells are detached by trypsinization, washed with PBS, and resuspended in Accutase. Cells are seeded at a density of 8-10 x 10 ⁴ cells per well.
Split ratio	1:5
Seeding density	1 x 10 ⁴ - 3 x 10 ⁴ cells per well
Fluid renewal	2-3 times per week
Freeze medium	DMEM + 10% DMSO + 10% FBS

Thawing and Culturing Cells

1. Thaw cells quickly in a water bath at 37°C.
2. Dilute cells in DMEM + 10% FBS and seed into a well.
3. Incubate cells in a humidified CO₂ incubator at 37°C.
4. Monitor cell growth and confluency.
5. Once cells are confluent, they can be used for experiments.
6. Cells can be passaged by trypsinization and seeding into a new well.
7. Cells can be frozen for long-term storage.

Product sheet

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Incubation
Atmosphere

37°C, 5%_{CO2}, humidified

Shipping
Conditions

Shipped in dry ice, stored at -78°C

Storage
Conditions

Store at -150 to -196°C

Cell line: UM-SCC-125