

UM-SCC-127 | 305725

General information

Description	UM-SCC-127 is a cell line derived from a primary tumor of a patient with head and neck squamous cell carcinoma (HNSCC). It is a highly proliferative cell line that can be used for various research purposes. The cell line is characterized by its high growth rate and its ability to form colonies in soft agar. It is also characterized by its high tumorigenicity and its ability to metastasize in animal models. The cell line is derived from a primary tumor of a patient with HNSCC, and it is characterized by its high growth rate and its ability to form colonies in soft agar. It is also characterized by its high tumorigenicity and its ability to metastasize in animal models.
Organism	Human
Tissue	Head and neck squamous cell carcinoma, primary tumor
Disease	Head and neck squamous cell carcinoma (HNSCC)
Applications	Research on HNSCC; drug screening; cell biology; molecular biology; immunology; and other research purposes.

Characteristics

Age	Not applicable
Gender	Not applicable
Ethnicity	Not applicable
Morphology	Epithelial cells
Cell type	Epithelial cells
Growth properties	High growth rate

Documentation and references

Citation	UM-SCC-127 (Cytion 305725)
Biosafety level	1
NCBI_TaxID	9606

Additional information

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General information

Culture Medium	RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO ₃ (Cytion 820700a)
Supplements	10% FBS
Dissociation Reagent	Accutase, 5 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 $\times 10^4$ cells per well.
Split ratio	1:5
Seeding density	1 $\times 10^3$ - 3×10^4 cells per well
Fluid renewal	2-3 times
Freeze medium	Cells are resuspended in freezing medium + 10% DMSO and frozen in liquid nitrogen.

Thawing and Culturing Cells

1. Thaw cells rapidly in a water bath at 37°C.
2. Dilute cells in pre-warmed medium and seed into a well.
3. Allow cells to attach for 24-48 hours at 37°C.
4. Perform a trypsinization to determine cell count.
5. Seed cells at a density of 15 $\times 10^3$ - 8 $\times 10^4$ cells per well.
6. Perform a trypsinization to determine cell count.
7. Seed cells at a density of 15 $\times 10^3$ - 8 $\times 10^4$ cells per well.

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-78°C

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