

UM-SCC-124 | 305723

General information

Description	UM-SCC-124 is a cell line derived from a primary HNSCC specimen. It is a highly tumorigenic cell line that grows as a monolayer. It is characterized by its high growth rate and its ability to form colonies in soft agar. It is a good model for studying the biology of HNSCC and for testing new therapies. It is derived from a primary HNSCC specimen, which was obtained from a patient with a primary HNSCC. The cell line was established by serial dilution and is now maintained in a continuous culture. It is a good model for studying the biology of HNSCC and for testing new therapies. It is derived from a primary HNSCC specimen, which was obtained from a patient with a primary HNSCC. The cell line was established by serial dilution and is now maintained in a continuous culture. It is a good model for studying the biology of HNSCC and for testing new therapies.
Organism	Human
Tissue	Head and neck, Epithelial
Disease	Head and neck squamous cell carcinoma (HNSCC), Epithelial
Applications	UM-SCC-124 is a cell line derived from a primary HNSCC specimen. It is a highly tumorigenic cell line that grows as a monolayer. It is characterized by its high growth rate and its ability to form colonies in soft agar. It is a good model for studying the biology of HNSCC and for testing new therapies. It is derived from a primary HNSCC specimen, which was obtained from a patient with a primary HNSCC. The cell line was established by serial dilution and is now maintained in a continuous culture. It is a good model for studying the biology of HNSCC and for testing new therapies.

Characteristics

Age	Not applicable
Gender	Not applicable
Ethnicity	Not applicable
Morphology	Epithelial
Cell type	Epithelial
Growth properties	Highly tumorigenic

Identification and documentation

Citation	UM-SCC-124 (Cytion 305723)
Biosafety level	1
NCBI_TaxID	9606

Additional information

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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 β -mercaptoethanol (Cytion 820300a)
Supplements	10% FBS
Dissociation Reagent	Trypsin
Doubling time	24-48 h
Subculturing	Cells are detached by trypsin treatment, 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	2 $\times 10^4$ - 4 $\times 10^4$ cells/cm ²
Fluid renewal	2-3 times per week
Freeze medium	DMEM supplemented with 10% DMSO and 10% FBS

Thawing and Culturing Cells

1. Thaw cells rapidly in a water bath at 37°C.
2. Dilute cells into pre-warmed medium.
3. Seed cells into a well.
4. Allow cells to attach.
5. Replace medium after 24 hours.
6. Perform passage when cells reach 70-80% confluency.
7. Maintain cells in exponential growth phase.

Product sheet

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Incubation
Atmosphere

37°C, 5%_{CO2}, H_2

Shipping
Conditions

Store at -78°C

Storage
Conditions

Store at -150 to -196 °C

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