

UM-SCC-129 | 305727

General information

Description	UM-SCC-129 is a cell line derived from a primary tumor of a patient with head and neck squamous cell carcinoma (HNSCC). The cell line is characterized by its high growth rate and its ability to form xenografts in immunodeficient mice. UM-SCC-129 is a cell line derived from a primary tumor of a patient with HNSCC, characterized by its high growth rate, its ability to form xenografts in immunodeficient mice (xenograftable), 5-FU, and its sensitivity to cisplatin. The cell line is characterized by its high growth rate and its ability to form xenografts in immunodeficient mice.
Organism	Human
Tissue	Head and neck squamous cell carcinoma
Disease	Head and neck squamous cell carcinoma (HNSCC)
Metastatic site	Head and neck squamous cell carcinoma (HNSCC)
Applications	UM-SCC-129 is a cell line derived from a primary tumor of a patient with HNSCC; it is characterized by its high growth rate and its ability to form xenografts in immunodeficient mice. The cell line is characterized by its high growth rate and its ability to form xenografts in immunodeficient mice.

Cell characteristics

Age	Human
Gender	Male
Ethnicity	White
Morphology	Squamous
Cell type	Epithelial
Growth properties	High growth rate

Cell line characteristics

Citation	UM-SCC-129 (Cytion 305727)
Biosafety level	1
NCBI_TaxID	9606

Product sheet

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CellosaurusAccession CCB-1000

GMO Status Not a GMO; derived from HNSCC cell line

Cell line: UM-SCC-129

Cell line

Culture Medium DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO₃, w: 1.0 mM sodium pyruvate (Cytion 820300a)

Supplements 10% FBS 1% NEAA

Dissociation Reagent Trypsin

Doubling time 24-48 h

Subculturing Cells are grown in DMEM medium, passaged in PBS buffer, trypsinized with Accutase, and seeded into new flasks at 8-10% confluency.

Split ratio 1:5

Seeding density 1-3 x 10⁴ cells/cm²

Fluid renewal 2-3 times

Freeze medium DMEM medium, 10% FBS + 10% DMSO

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Thawing and
Culturing Cells

1. 将冻存管放入 37°C 水浴中快速解冻，避免反复冻融。解冻后将细胞悬液转移到含有 1 mL 完全培养基的细胞培养瓶中，轻轻混匀。
2. 将细胞悬液转移到含有 10 mL 完全培养基的细胞培养瓶中，轻轻混匀。将细胞培养瓶放入 37°C 培养箱中培养。
3. 细胞贴壁后，将培养基更换为新鲜培养基。将细胞培养瓶放入 37°C 培养箱中培养。
4. 细胞贴壁后，将培养基更换为新鲜培养基。将细胞培养瓶放入 37°C 培养箱中培养。
5. 细胞贴壁后，将培养基更换为新鲜培养基。将细胞培养瓶放入 37°C 培养箱中培养。
6. 细胞贴壁后，将培养基更换为新鲜培养基。将细胞培养瓶放入 37°C 培养箱中培养。
7. 细胞贴壁后，将培养基更换为新鲜培养基。将细胞培养瓶放入 37°C 培养箱中培养。

Incubation
Atmosphere

37°C, 5% CO₂, 饱和湿度

Shipping
Conditions

细胞在干冰中保存，运输过程中保持低温。运输过程中保持低温，避免反复冻融。

Storage
Conditions

细胞在 -150°C 液氮中保存，最长可保存 196 个月。细胞在 -150°C 液氮中保存，最长可保存 196 个月。

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