

UM-SCC-128 | 305726

General information

Description	UM-SCC-128 is a cell line derived from a primary tumor of the head and neck (HNSCC). It is a highly aggressive cell line that grows rapidly and forms large, invasive colonies. The cell line is characterized by its high tumorigenicity and its ability to form large, invasive colonies in vivo.
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-128 is a cell line derived from a primary tumor of the head and neck (HNSCC). It is a highly aggressive cell line that grows rapidly and forms large, invasive colonies. The cell line is characterized by its high tumorigenicity and its ability to form large, invasive colonies in vivo.

Characteristics

Age	Not applicable
Gender	Not applicable
Ethnicity	Not applicable
Morphology	Epithelial
Cell type	Head and neck squamous cell carcinoma
Growth properties	Highly aggressive

Additional information

Citation	UM-SCC-128 (Cytion: 305726)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_UMSCC_128

UM-SCC-128 | 305726

GMO Status Not applicable

Characteristics Epithelial cells

Origin Human

Culture Medium DMEM $\pm$ 4.5 g/l glucose $\pm$ 4 mM glutamine $\pm$ 3.7 g/l NaHCO₃ $\pm$ 1.0 mM sodium pyruvate (pH 7.2) $\pm$ 100 U/ml penicillin $\pm$ 100 U/ml streptomycin $\pm$ 100 U/ml nystatin

Supplements 10% FBS, 1% NEAA

Dissociation Reagent Trypsin

Doubling time 24-48 h

Subculturing Cells are detached using Accutase and seeded into new flasks at a density of 8-10 $\times$ 10⁴ cells per flask.

Split ratio 1:5

Seeding density 1 $\times$ 10⁴ - 3 $\times$ 10⁴ cells per flask

Fluid renewal 3 times per week

Freeze medium DMEM $\pm$ 10% DMSO $\pm$ 10% FBS

UM-SCC-128 | 305726

Thawing and
Culturing Cells

1. Thaw the cells as quickly as possible in a water bath at 37 °C. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 5 minutes. Remove the supernatant and resuspend the cells in 1 ml of medium.
3. Seed the cells into a 24-well plate (100,000 cells per well) or a 96-well plate (20,000 cells per well).
4. Incubate the cells at 37 °C in 5% CO₂ for 24 hours. Replace the medium with fresh medium.
5. After 24 hours, the cells should be visible. If not, check the medium and the incubation conditions.
6. For passage, trypsinize the cells and seed them into a new plate.
7. The cells should reach confluence within 7-10 days.

Incubation
Atmosphere

37 °C, 5% CO₂

Shipping
Conditions

Cells are shipped in a dry ice container at -78 °C.

Storage
Conditions

Cells can be stored at -150 °C to -196 °C for up to 1 year.

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