

UM-SCC-122 | 305721

Cell Line

Description	UM-SCC-122 is a cell line derived from a patient with head and neck squamous cell carcinoma (HNSCC). It is a highly metastatic cell line that is resistant to cisplatin and paclitaxel. UM-SCC-122 is a cell line derived from a patient with head and neck squamous cell carcinoma (HNSCC). It is a highly metastatic cell line that is resistant to cisplatin and paclitaxel.
Organism	Human
Tissue	Head and neck squamous cell carcinoma, HNSCC
Disease	Head and neck squamous cell carcinoma (HNSCC)
Applications	UM-SCC-122 is a cell line derived from a patient with head and neck squamous cell carcinoma (HNSCC). It is a highly metastatic cell line that is resistant to cisplatin and paclitaxel. UM-SCC-122 is a cell line derived from a patient with head and neck squamous cell carcinoma (HNSCC). It is a highly metastatic cell line that is resistant to cisplatin and paclitaxel.

Cell Line

Age	63 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Cell type	Epithelial
Growth properties	Epithelial

Cell Line

Citation	UM-SCC-122 (Cytion 305721)
Biosafety level	1
NCBI_TaxID	9606

Cell Line

UM-SCC-122 | 305721

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	Accutase, 10 min, 37°C
Doubling time	48 h
Subculturing	Cells are detached by trypsinization, washed with PBS, and resuspended in Accutase. Cells are seeded at a density of 8–10 × 10 ⁴ cells per well.
Split ratio	1 : 5
Seeding density	1 × 10 ⁴ – 3 × 10 ⁴ cells/cm ²
Fluid renewal	2–3 times per week
Freeze medium	DMEM + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells rapidly in a water bath at 37°C.
2. Centrifuge cells at 300 × g for 5 min.
3. Wash cells with PBS and resuspend in DMEM + 10% FBS.
4. Seed cells into a well at a density of 1 × 10⁴ cells/cm².
5. Allow cells to attach for 24 h.
6. Replace medium with DMEM + 10% FBS.
7. Monitor cell growth and morphology.

Product sheet

UM-SCC-122 | 305721

Incubation
Atmosphere

37°C, 5%_{CO2}, humidified

Shipping
Conditions

Shipped in a dry ice container at -78°C

Storage
Conditions

Store at -150 to -196 °C in liquid nitrogen

UM-SCC-122 is a cell line