

SNU-878 | 305285

General information

Description	SNU-878 is a human hepatocellular carcinoma (HCC) cell line, established from a 54-year-old male patient with liver cancer. It is a highly tumorigenic, anchorage-dependent cell line that grows in suspension and as multicellular spheroids. SNU-878 is characterized by its high tumorigenicity, ability to form xenografts in immunodeficient mice, and its sensitivity to various chemotherapeutic agents. The cell line is derived from a primary tumor and has been extensively characterized for its growth properties and drug response. SNU-878 is a valuable model for studying liver cancer biology and for testing new therapeutic strategies.
Organism	Human
Tissue	Liver
Disease	Hepatocellular carcinoma
Synonyms	SNU878, NCI-SNU-878

Cell characteristics

Age	54 years
Gender	Male
Ethnicity	Chinese
Morphology	Epithelial
Growth properties	Highly tumorigenic, anchorage-dependent

Cell line identification

Citation	SNU-878 (NCI SNU-878) Cytion 305285
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_5102

Cell line availability

Cell SNU-878 | 305285

Mutational profile TP53, p.Ile251Asn (c.752T>A), TSC2, p.Ser1514Ter (c.4541C>G),

Cell

Culture Medium RPMI 1640, w: 2.0 mM , w: 2.0 g/L NaHCO₃ (Cytion 820700a)

Supplements 10% FBS , 25 mM HEPES

Dissociation Reagent

Subculturing Cells are cultured in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS and 25 mM HEPES. Cells are passaged by trypsinization with 0.25% trypsin-EDTA solution. Cells are seeded into new flasks at a density of 1 x 10⁵ cells per flask.

Split ratio 1:4

Fluid renewal 2 x 3 times per week

Freeze medium Cells are frozen in RPMI 1640 medium supplemented with 10% FBS and 10% DMSO. Cells are seeded into new flasks at a density of 1 x 10⁵ cells per flask.

Thawing and Culturing Cells

1. Cells are thawed in a 37°C water bath and then seeded into a 25 cm² flask containing 10 ml of RPMI 1640 medium supplemented with 10% FBS and 25 mM HEPES.
2. Cells are allowed to attach for 24 hours and then the medium is replaced with fresh RPMI 1640 medium supplemented with 10% FBS and 25 mM HEPES.
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Product sheet

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**Incubation
Atmosphere**

37°C, 5%_{CO2}, **humidified**

Flask Coating

Yes

**Freezing
Procedure**

Freeze cells in 100% FBS or 90% FBS + 10% DMSO at -78°C

**Shipping
Conditions**

Shipped on dry ice at -78°C

**Storage
Conditions**

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

Not for clinical use

Sterility

Not tested for sterility. PCR confirmed.
Not tested for sterility, confirmed by PCR.