

SNU-398 | 305274

General information

Description	SNU-398 is a human hepatocellular carcinoma (HCC) cell line. It is derived from a 42-year-old male patient with HCC. The cell line is characterized by its high tumorigenicity and its ability to form xenografts in immunodeficient mice. SNU-398 is a highly tumorigenic cell line that is derived from a human hepatocellular carcinoma (HCC) patient. It is characterized by its high tumorigenicity and its ability to form xenografts in immunodeficient mice. SNU-398 is a highly tumorigenic cell line that is derived from a human hepatocellular carcinoma (HCC) patient. It is characterized by its high tumorigenicity and its ability to form xenografts in immunodeficient mice.
Organism	Human
Tissue	Hepatocellular carcinoma
Disease	Hepatocellular carcinoma
Synonyms	SNU398, NCI-SNU-398

Cellular characteristics

Age	42 years
Gender	Male
Ethnicity	Chinese
Morphology	Epithelial
Growth properties	Adherent

Cellular characteristics

Citation	SNU-398 (NCI SNU-398) Cytion 305274
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0077

Cellular characteristics

Product sheet

HEp-2 SNU-398 | 305274

Surface antigens	HEp-2, Rh +
Viruses	HBV: Hepatitis B (HBV)
Mutational profile	CTNNB1, p.Ser37Cys (c.110C>G), TP53, p.Ser215Ile (c.644G>T),
HEp-2	
Culture Medium	RPMI 1640, w: 2.0 mM NaH_2PO_4 , w: 2.0 g/L NaHCO_3 (Cytion 820700a)
Supplements	10% FBS, 25 mM HEPES
Dissociation Reagent	
Subculturing	HEp-2 cells are grown in RPMI 1640 medium supplemented with 10% FBS and 25 mM HEPES. Cells are passaged using trypsin-EDTA (1:1) and seeded into new flasks at a density of 1:3 or 1:6.
Split ratio	1:3 or 1:6
Fluid renewal	2-3 times per week
Freeze medium	HEp-2 cells are frozen in RPMI 1640 medium supplemented with 10% FBS and 10% DMSO.

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**Thawing and
Culturing Cells**

1.

Remove the vial from the dry ice and immerse it in a water bath at 37°C. Gently swirl the vial to mix the cells. Transfer the cells to a 15 mL conical centrifuge tube and centrifuge at 300 x g for 5 minutes. Remove the supernatant and resuspend the cells in 1 mL of complete medium. Seed the cells into a 24-well plate (100,000 cells per well) or a 96-well plate (20,000 cells per well). Incubate the cells for 24 hours before use.
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**Incubation
Atmosphere**

37°C, 5% CO₂, humidified

Flask Coating

Not required

**Freezing
Procedure**

Remove the cells from the incubator and centrifuge at 300 x g for 5 minutes. Remove the supernatant and resuspend the cells in 1 mL of complete medium. Seed the cells into a 24-well plate (100,000 cells per well) or a 96-well plate (20,000 cells per well). Incubate the cells for 24 hours before use.

**Shipping
Conditions**

Remove the cells from the incubator and centrifuge at 300 x g for 5 minutes. Remove the supernatant and resuspend the cells in 1 mL of complete medium. Seed the cells into a 24-well plate (100,000 cells per well) or a 96-well plate (20,000 cells per well). Incubate the cells for 24 hours before use.

**Storage
Conditions**

Remove the cells from the incubator and centrifuge at 300 x g for 5 minutes. Remove the supernatant and resuspend the cells in 1 mL of complete medium. Seed the cells into a 24-well plate (100,000 cells per well) or a 96-well plate (20,000 cells per well). Incubate the cells for 24 hours before use.

Additional Information

Sterility

Remove the cells from the incubator and centrifuge at 300 x g for 5 minutes. Remove the supernatant and resuspend the cells in 1 mL of complete medium. Seed the cells into a 24-well plate (100,000 cells per well) or a 96-well plate (20,000 cells per well). Incubate the cells for 24 hours before use.