

### Cell Line SNU-387 | 305124

#### General Information

<b>Description</b>	Cell line SNU-387 (HCC), derived from a patient with hepatocellular carcinoma. It is a human cell line that grows in suspension. SNU-387 is a human hepatocellular carcinoma (HCC) cell line, derived from a patient with hepatocellular carcinoma (AFP). It is a human cell line that grows in suspension. SNU-387 is a human hepatocellular carcinoma (HCC) cell line, derived from a patient with hepatocellular carcinoma (AFP). It is a human cell line that grows in suspension.
<b>Organism</b>	Human
<b>Tissue</b>	Liver
<b>Disease</b>	Hepatocellular carcinoma
<b>Synonyms</b>	SNU387, NCI-SNU-387

#### Characteristics

<b>Age</b>	41 years
<b>Gender</b>	Male
<b>Ethnicity</b>	Chinese
<b>Morphology</b>	Epithelial
<b>Growth properties</b>	Adherent

#### References and Safety

<b>Citation</b>	SNU-387 (Cell Line) Cytion 305124
<b>Biosafety level</b>	2
<b>NCBI_TaxID</b>	9606
<b>CellSaurusAccession</b>	CVCL_0250

#### Additional Information

**HEp-2 SNU-387 | 305124**

**Antigen expression** HEp-2 O, Rh +

**Viruses** HBV

**HEP-2**

**Culture Medium** RPMI 1640, w: 2.0 mM  $\beta$ -mercaptoethanol, w: 2.0 g/L NaHCO<sub>3</sub> (Cytion 820700a)

**Supplements** HEp-2 10% FBS

**Dissociation Reagent** Trypsin

**Doubling time** 61 hours

**Subculturing** HEp-2 cells are grown in 25 cm<sup>2</sup> flasks in RPMI 1640 medium supplemented with 10% FBS. When cells reach confluence, they are trypsinized and seeded into new flasks at a density of 1 x 10<sup>6</sup> cells per flask. The medium is replaced with fresh medium containing 10% FBS.

**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. The cells are seeded into new flasks and grown in fresh medium containing 10% FBS.

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**Thawing and Culturing Cells**

1. Thaw the vial rapidly in a water bath at 37°C, and transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes at 4°C, and resuspend the cells in 15 ml of pre-warmed medium.
3. Seed the cells into a T25 flask containing 37 ml of pre-warmed medium.
4. Incubate the cells in a humidified incubator at 37°C with 5% CO<sub>2</sub> until they reach 70% confluency.
5. Harvest the cells by trypsinization and transfer them to a new T25 flask containing 15 ml of pre-warmed medium.
6. Seed the cells into a T75 flask containing 300 x g for 3 minutes at 4°C, and resuspend the cells in 150 ml of pre-warmed medium.
7. Seed the cells into a T175 flask containing 10 ml of pre-warmed medium. Incubate the cells until they reach 70% confluency.
8. Harvest the cells by trypsinization and transfer them to a new T175 flask containing 10 ml of pre-warmed medium.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, humidified

**Flask Coating** Cell culture medium

**Freezing Procedure** Harvest cells and resuspend in freezing medium, store at -80°C

**Shipping Conditions** Store at -80°C

**Storage Conditions** Store at -150°C for up to 196 months

**Genotype / Phenotype / HLA**

**Sterility** Sterility tested by PCR and microscopy