

Cell Line SNU-387 | 305124

General Information

Description	Cell line SNU-387 (HCC), derived from a patient with hepatocellular carcinoma. It is a human cell line that grows in suspension and is characterized by its ability to form spheroids. SNU-387 is a highly tumorigenic cell line that is used for the study of liver cancer. It is a cell line that is derived from a patient with hepatocellular carcinoma (HCC). It is a cell line that is used for the study of liver cancer. It is a cell line that is derived from a patient with hepatocellular carcinoma (HCC). It is a cell line that is used for the study of liver cancer.
Organism	Human
Tissue	Liver
Disease	Hepatocellular carcinoma
Synonyms	SNU387, NCI-SNU-387

Characteristics

Age	41 years
Gender	Male
Ethnicity	Chinese
Morphology	Epithelial
Growth properties	Adherent

References and Safety

Citation	SNU-387 (Cell Line) Cytion 305124
Biosafety level	2
NCBI_TaxID	9606
CellSaurusAccession	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 $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$, w: 2.0 g/L NaHCO_3 (HEPES buffered Cytion 820700a)

Supplements HEp-2 10% FBS

Dissociation Reagent Trypsin

Doubling time 61 hours

Subculturing HEp-2 cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS. For subculturing, cells are trypsinized and resuspended in PBS. Cells are seeded into new flasks at a density of 1-3 x 10⁶ cells per flask.

Split ratio 1:3 to 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. Cells are seeded into new flasks at a density of 1-3 x 10⁶ cells per flask.

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Thawing and Culturing Cells

1. Thaw the cells quickly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a pre-warmed flask containing 10-15 mL of pre-warmed medium. Incubate at 37°C with 5% CO₂.
3. Monitor the cells for attachment and growth. Change the medium after 24-48 hours.
4. Once the cells are established, passage them into a new flask when they reach 70-80% confluency.
5. Use a pipette to transfer 15 mL of medium from the old flask to a new flask containing 8 mL of medium.
6. Add the cells to the new flask and mix gently. Incubate at 37°C with 5% CO₂.
7. Pass the cells into a new flask when they reach 10-15% confluency. Use a pipette to transfer 10 mL of medium to a new flask containing 10 mL of medium.
8. Repeat the process for subsequent passages.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating No

Freezing Procedure Freeze cells in a freezing medium and store at -80°C.

Shipping Conditions Ship cells at -80°C.

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

HLA

Sterility The cells are free of mycoplasmas and PCR detectable. The cells are free of endotoxins.