

Product sheet

SNU-398 | 305274

General Information

Description SNU-398 is a human hepatocellular carcinoma (HCC) cell line. It is a highly tumorigenic cell line that grows in soft agar and is capable of forming xenografts in immunodeficient mice. SNU-398 is a highly tumorigenic cell line that grows in soft agar and is capable of forming xenografts in immunodeficient mice. SNU-398 is a highly tumorigenic cell line that grows in soft agar and is capable of forming xenografts in immunodeficient mice.

Organism Human

Tissue Liver

Disease Hepatocellular carcinoma

Synonyms SNU398, NCI-SNU-398

Characteristics

Age 42 years

Gender Male

Ethnicity Chinese

Morphology Epithelial

Growth properties Adherent

References

Citation SNU-398 (ATCC CCL-222) | Cytion 305274

Biosafety level 1

NCBI_TaxID 9606

CellSaurusAccession CVCL_0077

Additional Information

HEP2 SNU-398 | 305274

Surface antigens HLA A, B, C, D, E, Rh +

Viruses Hepatitis B virus (HBV)

Mutational profile CTNNB1, p.Ser37Cys (c.110C>G), TP53, p.Ser215Ile (c.644G>T),

HEP2

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

Supplements 10% FBS, 25 mM HEPES

Dissociation Reagent Trypsin

Subculturing Seed cells into 25 cm² flasks with 10-15 ml of medium. Split ratio 1:3 to 1:6.

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Fluid renewal 2-3 times per week

Freeze medium DMEM + 10% FBS + 10% DMSO

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Thawing and Culturing Cells

1. Thaw the vial rapidly 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 15 mL of medium. Incubate at 37°C with 5% CO₂.
3. Once the cells have attached, replace the medium with fresh pre-warmed medium.
4. When the cells reach 70-80% confluency, passage them into a new flask.
5. Seed the cells into a flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂.
6. Once the cells have attached, replace the medium with fresh pre-warmed medium.
7. When the cells reach 70-80% confluency, passage them into a new flask.
8. Seed the cells into a flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂.

Incubation Atmosphere 37°C, 5% CO₂, humidified air

Flask Coating None

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 weeks.

Genotype / HLA

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