

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 HEp2, 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 CaCl_2 , w: 2.0 g/L NaHCO_3 (Cytion 820700a)

Supplements 10% FBS, 25 mM HEPES

Dissociation Reagent

Subculturing 1-3 \times 10⁵ cells per well in 100 μ l RPMI 1640 medium with 10% FBS and 25 mM HEPES in T25 or 75 cm² flasks.

Split ratio 1:3 or 1:6

Fluid renewal 2-3 times per week

Freeze medium RPMI 1640 medium with 10% FBS and 10% DMSO

SNU-398 | 305274

Thawing and Culturing Cells

1. Thaw the cells 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 medium. Incubate at 37°C in 5% CO₂.
3. After 24 hours, check the cells for attachment. If the cells do not attach, repeat the seeding process.
4. Once the cells are attached, change the medium to fresh pre-warmed medium.
5. After 48 hours, check the cells for growth. If the cells do not grow, repeat the seeding process.
6. Once the cells are growing, passage the cells into a new flask.
7. After 24 hours, check the cells for attachment. If the cells do not attach, repeat the seeding process.
8. Once the cells are attached, change the medium to fresh pre-warmed medium.

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

Flask Coating None

Freezing Procedure Harvest cells into a pre-cooled tube. Add freezing medium. Store at -80°C.

Shipping Conditions Store at -80°C.

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

Genotype / HLA

Sterility The cells are free of mycoplasmas and other contaminants. PCR screening is performed on all cell lines.