

Cell SNU-368 | 305631

General information

Description	Cell SNU-368 is a human liver cancer cell line (HCC) derived from a 54-year-old male patient. The cell line is immortalized and expresses high levels of HBV, including HBsAg, HBeAg, and HBV DNA. The cell line is characterized by its high growth rate and ability to form colonies in soft agar. SNU-368 cells are highly tumorigenic in nude mice and are used as a model for studying liver cancer biology and drug response. SNU-368 cells are highly tumorigenic in nude mice and are used as a model for studying liver cancer biology and drug response.
Organism	Human
Tissue	Liver
Disease	Hepatocellular carcinoma
Synonyms	SNU368

Cell characteristics

Age	54 years
Gender	Male
Ethnicity	Chinese
Morphology	Epithelial
Cell type	Primary
Growth properties	Adherent

Cell line identification

Citation	SNU-368 (Cell SNU-368 Cytion 305631)
Biosafety level	2
NCBI_TaxID	9606
CellosaurusAccession	CVCL_3948

Product sheet

HEP2 SNU-368 | 305631

HEP2 SNU-368 - HEP2 SNU-368

Viruses	HBV
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Mutational profile	ARID1A, p.Leu1607Profs*41 (c.4817dupT), AXIN1, p.Gln184Ter (c.550C>T), (C228T), TP53, p.Ser106Arg (c.318C>G),
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Karyotype	46,XY
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HEP2 SNU-368

Culture Medium	RPMI 1640, w: 2.0 mM , w: 2.0 g/L NaHCO3 (Cytion 820700a)
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Supplements	10% FBS
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Dissociation Reagent	
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Doubling time	41
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Subculturing	0.25% -EDTA 0.02% , 37
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Split ratio	1:4
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Fluid renewal	2 3
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Freeze medium	(FBS) + 10% DMSO
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**Thawing and
Culturing Cells**

1.

Remove the vial from liquid nitrogen storage and allow it to warm to room temperature. Do not shake the vial. Gently swirl the vial to mix the cells. Transfer the cells to a 15 mL conical centrifuge tube containing 10 mL of pre-warmed complete medium. Add 100 µL of penicillin-streptomycin solution.
2.

Incubate the cells at 37°C in 5% CO₂ for 24 hours. After 24 hours, check the cells under a microscope. If the cells are not attached, add another 100 µL of penicillin-streptomycin solution.
3.

After 48 hours, check the cells under a microscope. If the cells are not attached, add another 100 µL of penicillin-streptomycin solution.
4.

After 72 hours, check the cells under a microscope. If the cells are not attached, add another 100 µL of penicillin-streptomycin solution.
5.

After 96 hours, check the cells under a microscope. If the cells are not attached, add another 100 µL of penicillin-streptomycin solution.
6.

After 120 hours, check the cells under a microscope. If the cells are not attached, add another 100 µL of penicillin-streptomycin solution.
7.

After 144 hours, check the cells under a microscope. If the cells are not attached, add another 100 µL of penicillin-streptomycin solution.
8.

After 168 hours, check the cells under a microscope. If the cells are not attached, add another 100 µL of penicillin-streptomycin solution.

**Incubation
Atmosphere**

37°C, 5% CO₂, humidified

Flask Coating

Yes

**Shipping
Conditions**

Shipped on dry ice at -78°C

**Storage
Conditions**

Store at -150°C for 196 weeks

Product Information

Sterility

PCR negative for mycoplasma contamination. Sterility tested by PCR. No mycoplasma detected. Sterility tested by PCR. No mycoplasma detected.