SNU-387

305124

GENERAL INFORMATION

Description

SNU-387 □胞系源自人类肝□胞癌（HCC），被广泛用于肝癌研究。该□胞系是研究肝癌发生、肿瘤进展和治疗反应的分子和 □胞机制的宝贵模型。肝□胞癌是最常见、最致命的肝癌之一，因此 SNU-387 等□胞系对于增进我们对这种疾病的了解和开发有效的治疗方法至关重要。

SNU-387 □胞呈现上皮形态，表达典型的肝癌标志物，如甲胎蛋白（ AFP）和肝□胞特异性抗原。它们具有 HCC 中常见的遗传和表观遗传学改变，包括关键致癌基因和抑癌基因的突变。研究人员利用 SNU-387 □胞研究肝癌的信号通路，如 Wnt/β-catenin、PI3K/Akt 和 MAPK 通路。这些□胞还被用于化疗药物和靶向疗法的高通量药物筛选试验和临床前测试。此外，SNU-387 □胞还被用于研究耐药性机制和开发克服耐药性的策略。 SNU-387 □胞系在肝□胞癌研究中的相关性凸显了它在促进我们对肝癌生物学的了解以及为肝 □胞癌患者开发新的治疗方法方面的重要性。

Tissue	肝脏
Disease	成人肝□胞癌

Synonyms

- SNU387
- NCI-SNU-387

CLASSIFICATION

Organism	Human
Sex	Female
Growth properties	Adherent
Biosafety level	2

CHARACTERISTICS

Morphology	上皮□胞
Doubling time	61 小时

IDENTIFIERS

Citation

SNU-387（Cytion 产品编号 305124）

NCBI TaxID	9606
Cellosaurus	CVCL_0250

EXPRESSION AND SUSCEPTIBILITY

Antigen expression

O 型血，Rh + 血型

Viruses

乙型肝炎病毒

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HANDLING AND CULTURE

Culture medium

RPMI 1640□w□2.0 mM □□□□□□□w□2.0 g/L NaHCO3□Cytion □□□□ 820700a□□

Incubation atmosphere	37°C, 5%CO2, □□□□□

Supplements

□□□□□□□ 10% FBS

Dissociation reagent	Accutase

Subculturing

□□□□□□□□□□□□□□□□□□□□ PBS □□□T25 □□□ 3-5 □□ PBS□T75 □□□ 5-10 □□□□□□ Accutase □□□□□□□T25 □□□ 1-2 □□□T75 □□□ 2.5 □□□□□□□□□□□□ 8-10 □□□□□□□□□□□□□ 10 □□□□□□□□□□□□□□□□□□□ 300xg □□ 3 □□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□

Fluid renewal	□□ 2 □ 3 □

Thawing and culturing

Confirm that the vial remains deeply frozen upon delivery, as cells are shipped on dry ice to maintain optimal temperatures during transit.
Upon receipt, either store the cryovial immediately at temperatures below -150°C to ensure the preservation of cellular integrity, or proceed to step 3 if immediate culturing is required.
For immediate culturing, swiftly thaw the vial by immersing it in a 37°C water bath with clean water and an antimicrobial agent, agitating gently for 40-60 seconds until a small ice clump remains.
Perform all subsequent steps under sterile conditions in a flow hood, disinfecting the cryovial with 70% ethanol before opening.
Carefully open the disinfected vial and transfer the cell suspension into a 15 ml centrifuge tube containing 8 ml of room-temperature culture medium, mixing gently.
Centrifuge the mixture at 300 x g for 3 minutes to separate the cells and carefully discard the supernatant containing residual freezing medium.
Gently resuspend the cell pellet in 10 ml of fresh culture medium. For adherent cells, divide the suspension between two T25 culture flasks; for suspension cultures, transfer all the medium into one T25 flask to promote effective cell interaction and growth.
Adhere to established subculture protocols for continued growth and maintenance of the cell line, ensuring reliable experimental outcomes.

QUALITY CONTROL AND CRYOPRESERVATION

Sterility

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Freeze medium	□□□□□□□□□□□□□□□ FBS□+10% DMSO □ CM-1□Cytion □□□□□□ 800100□□□□□□□□□ □□□□□□□□□□□□□□□□□CM-1□Cytion □□□□□□ 800100□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□

Storage conditions

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Shipping conditions

□□□ -78 °C □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

DONOR

Donor age	41 □
Ethnicity	□□

LEGAL AND SAFETY

Safety precautions

计划将低温样品储存在液氮中以便将来解冻时，必须遵守严格的安全措施。在将冷冻样本移入或移出液氮罐时，必须穿戴适当的防护手套和防护服，并使用面罩或安全护目镜。这样做是为了降低在移出时因冷冻样品爆炸而造成伤害的风险，因为爆炸可能导致锋利的碎片飞溅。

Warranty

在Cytion，我们保证产品的质量和活力。
我们保证，从我们的工厂发货后 60 天内，我们的□胞在开始培养时都是存活的。
我们保证所有材料均符合分析证书和/或产品说明书中描述的规格。
有关详□信息，请参阅我们的 <a href="" /Who-we-are/Warranty/"" hreflang=""x-default"">保修声明。

Material Transfer Agreement required	Yes

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