

SNU-387 | 305124

General information

Description	SNU-387 is a human gastric cancer cell line (HCC) derived from a 41-year-old male patient. It is a highly proliferative, anchorage-dependent cell line that grows in the form of monolayers. SNU-387 is characterized by its high tumorigenicity in nude mice and its sensitivity to various chemotherapeutic agents. The cell line is negative for alpha-fetoprotein (AFP) and carcinoembryonic antigen (CEA). SNU-387 is a good model for studying gastric cancer biology and drug response.
Organism	Human
Tissue	Gastric cancer
Disease	Gastric cancer, Gastric adenocarcinoma
Synonyms	SNU387, NCI-SNU-387

Cell characteristics

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

Cell culture conditions

Citation	SNU-387 (NCI SNU-387) Cytion 305124
Biosafety level	2
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0250

Cell culture media and supplements

Product sheet

HEp-2 SNU-387 | 305124

Antigen expression	HEp-2 O, Rh +
Viruses	HBV
HEp-2	
Culture Medium	RPMI 1640, w: 2.0 mM $\text{CaCl}_2 \cdot \text{H}_2\text{O}$, w: 2.0 g/L NaHCO_3 (HEPES buffered Cytion 820700a)
Supplements	HEPES buffered 10% FBS
Dissociation Reagent	Trypsin
Doubling time	61 hours
Subculturing	HEp-2 cells are grown in 25 cm ² flasks in RPMI 1640 medium supplemented with 10% FBS. When cells reach confluence, they are trypsinized and seeded into new flasks at a density of 1-3 x 10 ⁵ cells per flask. The medium is changed every 2-3 days.
Split ratio	1:3 to 1:6
Fluid renewal	2 to 3 times per week
Freeze medium	HEPES buffered RPMI 1640 medium supplemented with 10% FBS (HEPES FBS) + 10% DMSO. Cells are frozen in 1 mL aliquots.

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**Thawing and
Culturing Cells**

1. 将细胞悬液缓慢加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中培养。
2. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于-150°C 液氮中冷冻保存。
3. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中培养。
4. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于70% 乙醇中保存。
5. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于15 μl 8 μl 的细胞悬液中。
6. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于300 x g 3 分钟的离心。
7. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于10 μl 的细胞悬液中。
8. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于-150°C 液氮中冷冻保存。

**Incubation
Atmosphere**

37°C, 5% CO₂, 饱和湿度

Flask Coating

无涂层

**Freezing
Procedure**

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于-78°C 液氮中冷冻保存。

**Shipping
Conditions**

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于-78°C 液氮中冷冻保存。

**Storage
Conditions**

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于-150°C 196 K 液氮中冷冻保存。

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Sterility

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于-78°C 液氮中冷冻保存。

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于-78°C 液氮中冷冻保存。