

Hep-70.4 | 400207

General information

Description	Hep-70.4 is a cell line derived from a hepatocellular carcinoma (HCC) of a C57BL/6J mouse. It is a highly proliferative, immortalized cell line that expresses p53, but not pRb. Hep-70.4 cells are highly tumorigenic and can form tumors in syngeneic mice. The cells are highly sensitive to the chemotherapeutic agent cisplatin. Hep-70.4 cells are highly sensitive to the chemotherapeutic agent cisplatin. Hep-70.4 cells are highly sensitive to the chemotherapeutic agent cisplatin.
Organism	Mouse
Tissue	Liver
Disease	Hepatocellular carcinoma
Synonyms	HEP-70.4, 70.4

Genetic information

Breed/Subspecies	C57BL/6J
Age	Adult
Gender	Male
Morphology	Epithelial cells
Growth properties	Adherent

Characterization and safety

Citation	Hep-70.4 (Cytion 400207)
Biosafety level	1
NCBI_TaxID	10090
CellosaurusAccession	CVCL_5772

Additional information

Product sheet

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Tumorigenic	Yes, Hep-70.4 C3H/He
Mutational profile	P53
Characteristics	
Culture Medium	DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO3, w: 1.0 mM Sodium Pyruvate (Gibco 820300a)
Supplements	10% FBS
Dissociation Reagent	Trypsin
Subculturing	Cells are grown in 25 cm2 flasks. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks. The seeding density is 1 x 104 cells/cm2.
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Fluid renewal	3-5 times per week
Post-Thaw Recovery	Cells are recovered within 24-48 hours.
Freeze medium	DMEM + 10% FBS + 10% DMSO

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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% 相对湿度中培养。
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 μm x 8 μm 的细胞培养瓶中培养。
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 离心3 分钟，然后将培养瓶置于-150°C 液氮中冷冻保存。
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 μm x 10 μm 的细胞培养瓶中培养。
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 液氮中冷冻保存。

Sterility

本产品经过严格的灭菌处理，符合PCR 试剂的无菌要求。

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