

Product sheet

Hep-70.4 | 400207

General Information

Description	Hep-70.4 is a cell line derived from a rat hepatoma, specifically the C57BL/6J strain. It is characterized by its high tumorigenicity and is often used in research related to liver cancer and p53 signaling pathways. Hep-70.4 cells are highly proliferative and form large, dense colonies in culture. They are also known for their ability to form tumors in experimental animals, particularly in the K8-K18 model.
Organism	Rat
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

Identification and Safety

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

Additional Information

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Thawing and Culturing Cells

1. **Thawing:** Thaw the vial rapidly in a 37°C water bath. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. **Centrifugation:** Centrifuge the cells at 300 x g for 3 minutes at 4°C. Remove the supernatant and resuspend the cells in pre-warmed medium.
3. **Resuspension:** Resuspend the cells in pre-warmed medium. The final concentration should be approximately 1.5 x 10⁶ cells/ml.
4. **Seeding:** Seed the cells into a 25 cm² flask containing 10 ml of pre-warmed medium. The final concentration should be approximately 1.5 x 10⁶ cells/ml.
5. **Incubation:** Incubate the cells in a humidified atmosphere of 5% CO₂ at 37°C. The cells should reach 70% confluency within 7-10 days.
6. **Passaging:** Once the cells reach 70% confluency, passage them into a new flask. Use a trypsin-EDTA solution to detach the cells.
7. **Medium:** Use a serum-free medium for the initial passage. After the cells are established, you can use a medium containing 10% fetal bovine serum (FBS).
8. **Quality Control:** Perform quality control tests on the cells, including PCR genotyping and HLA typing.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating **None**

Freezing Procedure **None**

Shipping Conditions **None**

Storage Conditions **None**

HEP-70.4 / HEP-70.4 / HLA

Sterility **None**