

Hep-64.1 | 400205

General information

Description	Hep-64.1 hepatoma cell line, derived from C57BL/6J. It is a highly tumorigenic cell line that grows in culture and in vivo. It is characterized by its high tumorigenicity and its ability to form large, solid tumors in mice. The cell line is derived from a hepatoma in a C57BL/6J mouse. It is a highly tumorigenic cell line that grows in culture and in vivo. It is characterized by its high tumorigenicity and its ability to form large, solid tumors in mice. The cell line is derived from a hepatoma in a C57BL/6J mouse. It is a highly tumorigenic cell line that grows in culture and in vivo. It is characterized by its high tumorigenicity and its ability to form large, solid tumors in mice. The cell line is derived from a hepatoma in a C57BL/6J mouse.
Organism	Mouse
Tissue	Liver
Disease	Hepatocellular carcinoma
Synonyms	HEP-64.1, 64.1

Characteristics

Breed/Subspecies	C57BL/6J
Age	8-12 weeks
Gender	Male
Morphology	Epithelial cells
Growth properties	Adherent

Identification and documentation

Citation	Hep-64.1 (Cytion 400205)
Biosafety level	1
NCBI_TaxID	10090
CellosaurusAccession	CVCL_5770

Additional information

Product sheet

Hep-64.1 | 400205

Protein expression Hsp70, Hsp90, Hsp100, Hsp110

Mutational profile P53 wt

Media

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 β -mercaptoethanol (Cytion 820300a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Cells are grown in 25 cm² flasks in DMEM supplemented with 10% FBS. Cells are passaged by trypsinization (Trypsin, 37°C, 5 min) and seeding into new flasks.

Fluid renewal 3-5 times

Freeze medium DMEM supplemented with 10% FBS + 10% DMSO. Cells are frozen in this medium and stored at -80°C.

Thawing and Culturing Cells

1. Thaw cells rapidly in a water bath at 37°C. Transfer cells to a centrifuge tube and centrifuge at 300 x g for 5 min.
2. Remove supernatant and resuspend cells in DMEM supplemented with 10% FBS. Seed cells into a 25 cm² flask.
3. Incubate cells at 37°C in 5% CO₂. Change medium after 24 hours.
4. Once cells reach 70% confluency, passage them by trypsinization.
5. Seed cells into a 25 cm² flask with DMEM supplemented with 10% FBS. Incubate at 37°C.
6. Once cells reach 70% confluency, passage them by trypsinization.
7. Seed cells into a 25 cm² flask with DMEM supplemented with 10% FBS. Incubate at 37°C.
8. Once cells reach 70% confluency, passage them by trypsinization.

Product sheet

Hep-64.1 | 400205

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating Cell specific

Freezing Procedure Cells are harvested by trypsinization and resuspended in freezing medium. The cell suspension is then mixed with an equal volume of freezing medium and frozen in a controlled rate freezer at -80°C.

Shipping Conditions Cells are shipped in a dry ice container at -80°C.

Storage Conditions Cells should be stored at -150 to -196 °C in liquid nitrogen. The storage time is unlimited.

Genotyping

Sterility

Cells are tested for mycoplasma contamination using PCR. Cells are also tested for sterility using a sterility test kit. Cells are found to be free of mycoplasma and sterile.