

Product sheet

HEP-56.1B | 400202

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Description Hep-70.4 (C57BL/6J) p53, Hep-70.4 K8-K18

Organism Mice

Tissue Liver

Disease Hepatocellular carcinoma

Synonyms HEP-56.1B, 56.1B, 56.1b

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Breed/Subspecies C57BL/6J

Age 6-8 weeks

Gender Male

Morphology Mice

Growth properties Hepatic

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Citation Hep-56.1B (Cytion 400202)

Biosafety level 1

NCBI_TaxID 10090

CellosaurusAccession CVCL_5767

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Protein expression Hsp70, Hsp90, Hsp100

Tumorigenic Yes, HepG2/C57BL/6J

Mutational profile P53mut (G277A Hsp70 => G277A - G277A).

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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 cultured in DMEM supplemented with 10% FBS. For passaging, cells are trypsinized and resuspended in DMEM supplemented with 10% FBS. Cells are seeded into new flasks at a density of 1 x 10⁴ cells per flask.

Seeding density 1 x 10⁴ cells/flask

Fluid renewal 3-5 days

Post-Thaw Recovery Cells are thawed in a 37°C water bath and immediately resuspended in DMEM supplemented with 10% FBS. Cells are seeded into new flasks and allowed to recover for 24 hours before use.

Freeze medium DMEM supplemented with 10% FBS + 10% DMSO

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Thawing and Culturing Cells

1. Thaw the vial rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 15 ml of pre-warmed medium.
3. Seed the cells into a T25 flask containing 37 ml of pre-warmed medium.
4. Incubate the cells at 37°C in 5% CO₂ until they reach 70% confluency.
5. Harvest the cells by trypsinization and centrifugation at 300 x g for 3 minutes.
6. Resuspend the cells in 10 ml of pre-warmed medium.
7. Seed the cells into a T25 flask containing 37 ml of pre-warmed medium.
8. Incubate the cells at 37°C in 5% CO₂ until they reach 70% confluency.

Incubation Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

Flasks are pre-coated with poly-L-lysine.

Freezing Procedure

Harvest cells by trypsinization and centrifugation at 300 x g for 3 minutes. Resuspend cells in 1 ml of freezing medium. Freeze cells in a freezing container at -80°C.

Shipping Conditions

Store cells at -80°C. Ship cells on dry ice.

Storage Conditions

Store cells at -150°C for up to 196 months.

Genotype / Phenotype / HLA

Sterility

Cells are tested for mycoplasma contamination using PCR.

Cells are tested for endotoxin contamination.