

Product sheet

HEP-66.3A | 400206

HEP-66.3A

Description HEP-66.3A is a cell line derived from Hep-66.4A cells, which were established from a C57BL/6J mouse. HEP-66.3A cells are characterized by their ability to grow in suspension and their sensitivity to p53 inhibition.

Organism Mammalia

Tissue Liver

Disease Hepatocellular carcinoma

Synonyms HEP-66.3A, 66.3A

HEP-66.3A

Breed/Subspecies C57BL/6J

Age 1-2 weeks

Gender Male

Morphology Adherent

Growth properties Continuous

HEP-66.3A

Citation HEP-66.3A (HEP-66.3A) Cytion 400206

Biosafety level 1

NCBI_TaxID 10090

CellosaurusAccession CVCL_5771

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Protein expression	α-tubulin 8, α-tubulin 18, β-actin
Tumorigenic	Yes, HepG2 B6C3F1
Mutational profile	P53 wt

Characteristics

Culture Medium	DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO ₃ , w: 1.0 mM β-mercaptoethanol (Cytion 820300a)
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Supplements	10% FBS
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Dissociation Reagent	Trypsin
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Subculturing	Cells are grown 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 10 ⁵ cells per flask. Cells are grown in DMEM supplemented with 10% FBS.
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Fluid renewal	3-5 days
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Freeze medium	DMEM supplemented with 10% FBS, 10% DMSO (Cytion 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. The final cell concentration should be approximately 1.5 x 10⁶ cells/ml.
4. Incubate the cells at 37°C in 5% CO₂ until they reach 70% confluency.
5. Harvest the cells by trypsinization. Seed the cells into a T25 flask containing 37 ml of pre-warmed medium.
6. Incubate the cells at 37°C in 5% CO₂ until they reach 70% confluency.
7. Harvest the cells by trypsinization. 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 Cell culture medium

Freezing Procedure Harvest cells by trypsinization. Resuspend cells in freezing medium. Freeze cells in a freezing container at -80°C.

Shipping Conditions Store cells at -80°C. Ship cells in a dry ice container.

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

Genotype / Phenotype / HLA

Sterility The cells are free of mycoplasmas and PCR detectable. The cells are free of endotoxins.