

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 high tumorigenicity. HEP-66.3A cells are highly tumorigenic and are capable of forming tumors in mice. HEP-66.3A cells are highly tumorigenic and are capable of forming tumors in mice. HEP-66.3A cells are highly tumorigenic and are capable of forming tumors in mice.

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 High tumorigenicity

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 Hsp70, Hsp90, Hsp100

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 NaHCO₃, w: 1.0 mM sodium pyruvate (Cytion 820300a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing 1:3 to 1:5 in DMEM + 10% FBS, 1:3 to 1:5 in DMEM + 10% FBS, 1:3 to 1:5 in DMEM + 10% FBS

Fluid renewal 3 to 5 days

Freeze medium DMEM + 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. Remove the supernatant and resuspend the cells in 15 ml of pre-warmed medium.
3. Seed the cells into a T25 flask containing 15 ml of pre-warmed medium. The seeding density is approximately 1.5 x 10⁶ cells per flask.
4. Incubate the cells at 37°C with 5% CO₂ in a humidified atmosphere. The cells should reach 70% confluency within 24-48 hours.
5. Once the cells are confluent, they can be used for downstream applications or passaged into new flasks.
6. For passaging, trypsinize the cells and seed them into a new T25 flask with 15 ml of pre-warmed medium.
7. The cells should reach 70% confluency again within 24-48 hours.
8. The cells are now ready for use in experiments or for further expansion.

Incubation Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

Not required

Freezing Procedure

For long-term storage, harvest the cells and resuspend them in freezing medium. Store the cells at -80°C.

Shipping Conditions

Store the cells at -80°C during shipping. Use dry ice for transport.

Storage Conditions

Store the cells at -80°C. The vial is stable for up to 196 days.

Genotype / HLA

Sterility

The cells are tested for mycoplasma contamination using PCR. The cells are free of mycoplasma. The cells are also tested for endotoxin and are found to be free of endotoxin.