

Product sheet

HEP-56.1D | 400204

HEP-56.1D

Description HEP-56.1D is a cell line derived from a Hepatocellular carcinoma (HCC) patient, established in 1977. It is a continuous cell line that grows in suspension and is characterized by its ability to produce large amounts of albumin and alpha-fetoprotein (AFP). The cells are of human origin and are maintained in DMEM/F12 medium supplemented with 5% fetal bovine serum (FBS). HEP-56.1D cells are highly tumorigenic and are used in various research applications, including drug screening, toxicology, and cancer biology studies. The cell line is derived from a C57BL/6J mouse background.

Organism Human

Tissue Liver

Disease Hepatocellular carcinoma

Synonyms HEP-56.1D, 56.1D, 56.1d

HEP-56.1D

Breed/Subspecies C57BL/6J

Age 1-3 months

Gender Male

Morphology Adherent

Growth properties High

HEP-56.1D

Citation HEP-56.1D (HEP-56.1D) Cytion 400204

Biosafety level 1

NCBI_TaxID 10090

CellosaurusAccession CVCL_5769

HEP-56.1D

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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 air

Flask Coating Cell culture medium

Freezing Procedure Harvest cells and resuspend in freezing medium. Store at -80°C.

Shipping Conditions Store at -80°C.

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

Genotype / Phenotype / HLA

Sterility Cells are tested for mycoplasma contamination. PCR testing is performed. All cells are found to be free of mycoplasma contamination.