

Product sheet

**HEP-56.1D | 400204**

**HEP-56.1D**

**Description** HEP-56.1D is a cell line derived from a rat hepatoma, established from a C57BL/6J rat. It is a continuous cell line that grows in the presence of insulin, transferrin, and selenium (ITS) and is used for the study of liver cancer and drug metabolism. HEP-56.1D cells are characterized by their ability to produce and secrete albumin and alpha-fetoprotein (AFP), which are markers of liver cancer. The cell line is maintained in DMEM/F12 medium supplemented with ITS and transferrin. HEP-56.1D cells are a valuable tool for studying the biology of liver cancer and for testing the efficacy of anti-cancer drugs.

**Organism** Rat

**Tissue** Liver

**Disease** Hepatocellular carcinoma

**Synonyms** HEP-56.1D, 56.1D, 56.1d

**HEP-56.1D**

**Breed/Subspecies** C57BL/6J

**Age** 1-2 weeks

**Gender** Male

**Morphology** Adherent, epithelial

**Growth properties** Continuous cell line, grows in the presence of ITS and transferrin

**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 37°C water bath. Do not vortex. Transfer the cells to a pre-warmed medium.
2. Centrifuge at 300 x g for 3 minutes. Resuspend in 15 ml of pre-warmed medium.
3. Seed into a T25 flask with 37 ml of pre-warmed medium.
4. Incubate at 37°C in 5% CO<sub>2</sub> until cells reach 70% confluency.
5. Harvest cells by trypsinization. Seed into a T25 flask with 15 ml of pre-warmed medium.
6. Incubate at 37°C in 5% CO<sub>2</sub> until cells reach 70% confluency.
7. Harvest cells by trypsinization. Seed into a T25 flask with 10 ml of pre-warmed medium.
8. Incubate at 37°C in 5% CO<sub>2</sub> until cells reach 70% confluency.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, humidified

**Flask Coating** None

**Freezing Procedure** Harvest cells by trypsinization. Resuspend in 1 ml of freezing medium. Freeze in a pre-cooled vial at -80°C.

**Shipping Conditions** Store at -80°C. Ship on dry ice.

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

## Genotype / Phenotype / HLA

**Sterility** The cells are free of mycoplasmas, PCR detectable. The cells are free of endotoxins.