

Product sheet

HEP-CLS-1W | 400414

General information

Description	HEP-CLS-1W is a cell line derived from a human liver cancer cell line (HepG2) and is characterized by its high proliferation rate and its ability to differentiate into various cell types. It is a C3H/HE cell line.
Organism	Human
Tissue	Liver
Disease	Hepatocellular carcinoma
Synonyms	HEP-CLS-1W

Characteristics

Breed/Subspecies	C3H/HE
Age	Adult
Gender	Male
Morphology	Epithelial
Growth properties	Adherent

Identification and documentation

Citation	Hep-CLS-1W (HEP-CLS-1W) 400414
Biosafety level	1
NCBI_TaxID	10090
CellosaurusAccession	CVCL_5775

Genetic information

Tumorigenic	HEP-CLS-1W is a tumorigenic cell line derived from a human liver cancer cell line (HepG2) and is characterized by its high proliferation rate and its ability to differentiate into various cell types. It is a C3H/HE cell line.
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References

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Culture Medium DMEM 12% 1.0 mM Glucose 1.0 mM Glutamine 1.1 mM NaHCO₃ (5% CO₂ atmosphere)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Cells are detached using trypsin and resuspended in DMEM 12% FBS.

Seeding density 1×10^4 cells/cm²

Fluid renewal 2-3 times per week

Post-Thaw Recovery Cells are seeded in DMEM 12% FBS and allowed to recover for 24 hours.

Freeze medium DMEM 12% FBS + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells in a water bath at 37°C.
2. Centrifuge cells at 300 × g for 3 minutes.
3. Resuspend cells in DMEM 12% FBS.
4. Seed cells in a 25 cm² flask.
5. Incubate cells at 37°C for 24 hours.
6. Add 10% FBS to the medium.
7. Monitor cell growth.
8. Pass cells when they reach 70-80% confluency.

Incubation Atmosphere 37°C, 5% CO₂

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