

Product sheet

Hep-53.4 | 400200

General information

Description	Hep-53.4 is a human liver carcinoma cell line, derived from a 53-year-old male patient with hepatocellular carcinoma. The cells are maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin. The cells are of C57BL/6J origin.
Organism	Human
Tissue	Liver
Disease	Hepatocellular carcinoma
Synonyms	HEP-53.4, 53.4

Cell characteristics

Breed/Subspecies	C57BL/6J
Age	Adult
Gender	Male
Morphology	Epithelial cells
Growth properties	Adherent

Genetic information

Citation	Hep-53.4 (Cytion 400200)
Biosafety level	1
NCBI_TaxID	10090
CellosaurusAccession	CVCL_5765

Genetic information

Tumorigenic	Yes, C57BL/6J
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Mutational profile P53 wt

XXXXXX

Culture Medium DMEM, w: 4.5 g/L XXXXXXX, w: 4 mM L-XXXXXXX, w: 3.7 g/L NaHCO₃, w: 1.0 mM XXXX XXXXXXX (XXXX XXXXXXX Cytion 820300a)

Supplements XXXX XXXXXXX 10% FBS

Dissociation Reagent XXXXXXX

Subculturing XXX XX XXXXXXX XXXX XXXXXXX XXXXXXX XXXX XXXX X-PBS XXX XXXX XXXXXXX XXXX XXXXXXX T25, XXXXX X-3-5 X' X-PBS, XXXXX XXX 3 XXXX. XXXX XX XXXXXXX XXXXXXX, XXXX XX XXXXXXX XXXXXXX XXXXXXX XXX XXXXXXX XXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXX.

Fluid renewal XX 3 XX 5 XXXX

Freeze medium XXXXXXX XXXXXXX XXXXXXX, XXX XXXXXXX XXXXXXX XXXXXXX XXX (XXXX FBS) + 10% DMSO XXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX, XX C

Thawing and Culturing Cells

1. XXX XXXXXXXXXX XXXX XXXX XXXXXXXXXX XXX XXXXXXX, XXX XXXXXXX XXXXXXX XXXX XXX XXXXXXX XX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX
2. XX XXXX XXXXXXX, XXXX XX XXXXXXXXXX XXXXXXXXXX XXX XXXXXXXXXX XXXXXXX X-150°C XXX XXXXXXX XX XXXXXXX XXXXXXX XXXXXXX, XX XXXXXXX
3. XXXXXXX XXXXXXX XXXXXXX, XXXXXXX XX XXXXXXXXXX XXXXXXXXXX XX XXX XXXXXXX XXXXXXX XXX XXXXXXXXXX XX 37 XXXXXXX XXXXXXX XX XXX XXXXXXX
4. XXX XX XX XXXXXXX XXXXXXX XXXXXXXXXX XXXXXXX, XXXX XX XXXXXXXXXX XXXXXXXXXX XXXXXXX 70% XXXX XXXXXXX
5. XXX XXXXXXXXXX XX XXXXXXXXXX XXXXXXX XXXXXXX XX XXXXXXX XXXXXXX XXXXXXX XXXXXXXXXX XXXX 15 X' X XXXXXXX 8 X' X XX XXX XXXXXXX XXXXXXX
6. XXXXXXX XX XXXXXXXXXX XXXXXXXXXX X-300 x g XXXX 3 XXXX XXX XXXXXXXXXX XX XXXXXXX, XXXXXXX XXXXXXXXXX XX XXXXXXX XXXXXXXXXX XXXXXXX XX
7. XXXXX XXXXXXXXXX XX XXXX XXXXXXX X-10 X' X XX XXX XXXXXXX XXX. XXXXX XXXX XXXXXXX, XXXXX XX XXXXXXXXXX XXX XXXXXXXXXX XXXXXXX T2
8. XXXXXXX XX XXXXXXXXXX XX-XXXXXX XXXXXXXXXX XXXXXXX XXXXXXX XXXXXXXXXX XX XX XXXXXXX, XXX XXXXXXXXXX XXXXXXX XXXXXXXXXX

Incubation Atmosphere 37°C, 5% CO₂, XXXXXXX XXXX

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Flask Coating

Flask Coating

Freezing Procedure

Freezing Procedure: The cells are frozen in a freezing medium and stored at -78°C.

Shipping Conditions

Shipping Conditions: The cells are shipped in a cooling medium and stored at -78°C.

Storage Conditions

Storage Conditions: The cells are stored in a storage medium at -150 to -196 °C.

PCR Analysis

Sterility

Sterility: The cells are tested for sterility using PCR analysis. The results show that the cells are free of contamination.