

Product sheet

SK-HEP-1 | 300334

SK-HEP-1

Description	SK-HEP-1 is a human liver carcinoma cell line established in 1971 from a 52-year-old male patient with hepatocellular carcinoma. It is a continuous cell line that grows in suspension culture.
Organism	Human
Tissue	Liver
Disease	Hepatocellular carcinoma
Metastatic site	Metastatic to lung, bone, and lymph nodes
Synonyms	SK-Hep-1, SK HEP-1, SK HEP 01, SK-Hep1, Sk-Hep1, SK Hep1, SKHEP-1, SKHEP1, SKHep1, SK_HEP1

SK-HEP-1

Age	52 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Continuous cell line

SK-HEP-1

Citation	SK-HEP-1 (SK-HEP-1) Cytion 300334
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0525

SK-HEP-1

Isoenzymes	Me-2, 1-2, PGM3, 1, PGM1, 2, ES-D, 1, AK-1, 1, GLO-1, 1, G6PD, B
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Thawing and Culturing Cells

1. Thaw the vial quickly 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. Seed the cells into a pre-warmed flask containing 10-15 mL of medium. Incubate at 37°C with 5% CO₂.
3. Monitor the cells for attachment. Once attached, replace the medium with fresh pre-warmed medium.
4. Allow the cells to reach confluence (70-80% coverage).
5. Harvest the cells using trypsin digestion. Seed into a new flask with 15 mL of medium.
6. Seed the cells into a flask containing 300 x g of cells. Incubate at 37°C with 5% CO₂.
7. Harvest the cells using trypsin digestion. Seed into a flask containing 10 mL of medium.
8. Harvest the cells using trypsin digestion. Seed into a flask containing 10 mL of medium.

Incubation Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

Yes

Freezing Procedure

Resuspend cells in freezing medium. Seed into a vial and freeze at -80°C.

Shipping Conditions

Store at -80°C. Ship on dry ice.

Storage Conditions

Store at -150°C for 196 days.

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Sterility

SK-HEP-1 cells are tested for sterility using PCR. SK-HEP-1 cells are tested for sterility using PCR. SK-HEP-1 cells are tested for sterility using PCR.

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STR

Amelogenin: x,x
CSF1PO: 11,12
D13S317: 8,12
D16S539: 12
D5S818: 10,13
D7S820: 8,11
TH01: 7,9
TPOX: 9
vWA: 14,17
D3S1358: 16
D21S11: 29,31
D18S51: 13,15
Penta E: 13,21
Penta D: 13,14
D8S1179: 13,14
FGA: 17
D1S1656: 16,17
D6S1043: 11
D2S1338: 20,23
D12S391: 18
D19S433: 12,15.2

HLA

A*: '02:01:01, '24:02:01
B*: '35:02:01, '44:03:01
C*: 04:01:01
DRB1*: 10:01:01, 11:04:01
DQA1*: '01:05:01, '05:05:01
DQB1*: '03:01:01, '05:01:01
DPB1*: 04:01:01
E: 01:01, 01:03