

Product sheet

SK-LMS-1 | 300125

SK-LMS-1

Description
SK-LMS-1 is a human liver cancer cell line, established from a patient with hepatocellular carcinoma. The cell line is characterized by its high tumorigenicity and is used for studying liver cancer biology and drug response. SK-LMS-1 cells are grown in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 100 ng/ml hydrocortisone. For in vivo studies, SK-LMS-1 cells are implanted into mice. SK-LMS-1 cells are sensitive to docetaxel and gemcitabine.

Organism Human

Tissue Liver

Disease Hepatocellular carcinoma

Synonyms SKLMS-1, SKLMS1

SK-LMS-1

Age 43 years

Gender Male

Ethnicity Chinese

Morphology Epithelial

Growth properties Adherent

SK-LMS-1

Citation SK-LMS-1 (SK-LMS-1) Cytion 300125

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_0628

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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. Seed the cells into a pre-warmed flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂.
3. Once the cells have reached confluence, they can be used for experiments or passaged. Passaging should be performed using a 1:3 split ratio.
4. For passaging, use a 10 mL pipette to transfer 3 mL of medium to a new flask. Add 1 mL of trypsin to the remaining medium.
5. Incubate the cells at 37°C with 5% CO₂ until they reach confluence. The medium should be replaced every 2-3 days.
6. When the cells are ready for passaging, add 1 mL of trypsin to the medium. Incubate for 5-10 minutes.
7. Add 10 mL of medium to the flask. Pipette up and down to resuspend the cells. Transfer the cells to a new flask.
8. Repeat the passaging process as needed.

Incubation Atmosphere 37°C, 5% CO₂, humidified air

Flask Coating None

Freezing Procedure Harvest cells into a 15 mL tube containing 1 mL of freezing medium. Freeze at -80°C.

Shipping Conditions Store at -80°C.

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

SK-LMS-1 / SK-LMS-2 / HLA

Sterility The cells are free of mycoplasmas and PCR detectable viruses. The cells are also free of endotoxins.

████████ SK-LMS-1 | 300125

████████ STR

Amelogenin: x,y

CSF1PO: 9,1

D13S317: 12

D16S539: 8,11

D5S818: 11,13

D7S820: 8,9

TH01: 6,7

TPOX: 8,9

vWA: 18

D3S1358: 15,16

D21S11: 28,3

D18S51: 14,19

Penta E: 7,13

Penta D: 12,13

D8S1179: 12

FGA: 22,25

PEZ6: B-LCL-CDG7