

Product sheet

SK-LU-1 | 300335

SK-LU-1

Description SK-LU-1 is a cell line derived from a patient with metastatic melanoma. It is a highly tumorigenic cell line that grows in suspension. SK-LU-1 is a melanoma cell line that is highly tumorigenic and grows in suspension. SK-LU-1 is a melanoma cell line that is highly tumorigenic and grows in suspension.

Organism Human

Tissue Melanoma

Disease Melanoma (Malignant Melanoma)

Synonyms SK-Lu-1, SK LU 1, SK-Lu1, SK-LU1, SKLU-1, SKLU1, SKLU01

SK-LU-1

Age 60 years

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Growth properties Suspension

SK-LU-1

Citation SK-LU-1 (SK-LU-1 Cytion 300335)

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_0629

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Protein expression P53

Antigen expression O, Rh+, HLA Aw24, Aw32, B27, Bw41

Isoenzymes Me-2, 1, PGM3, 1, PGM1, 2, ES-D, 2, AK-1, 1, GLO-1, 2, G6PD, B

Tumorigenic , nu-nu

Karyotype 2S 4.4%. 1p, t(1q,11q), 11q+, t(13,?), 16q, t(1p,14q), t(16,?) -t(14,21) 4 9

Culture Medium EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO₃, w: EBSS (Cytion 820100a)

Supplements 10% FBS 1% NEAA

Dissociation Reagent

Subculturing T25, 3-5' PBS, 3

Split ratio 1:2

Seeding density 1×10^4 /

Fluid renewal

Post-Thaw Recovery 24

Freeze medium (FBS) + 10% DMSO

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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 cell culture flask containing 5-10 ml of pre-warmed cell culture medium.
2. Allow the cells to settle at the bottom of the flask. Centrifuge at 300 x g for 3 minutes. Remove the supernatant and wash the cells with 10 ml of pre-warmed cell culture medium.
3. Resuspend the cells in 10 ml of pre-warmed cell culture medium. Seed the cells into a pre-warmed cell culture flask containing 15 ml of pre-warmed cell culture medium.
4. Incubate the cells in a humidified incubator at 37°C with 5% CO₂. Monitor the cells daily under a microscope. When the cells reach 70% confluency, passage the cells.
5. Pass the cells into a pre-warmed cell culture flask containing 15 ml of pre-warmed cell culture medium. Seed the cells into a pre-warmed cell culture flask containing 15 ml of pre-warmed cell culture medium.
6. Incubate the cells in a humidified incubator at 37°C with 5% CO₂. Monitor the cells daily under a microscope. When the cells reach 70% confluency, passage the cells.
7. Pass the cells into a pre-warmed cell culture flask containing 10 ml of pre-warmed cell culture medium. Seed the cells into a pre-warmed cell culture flask containing 10 ml of pre-warmed cell culture medium.
8. Incubate the cells in a humidified incubator at 37°C with 5% CO₂. Monitor the cells daily under a microscope. When the cells reach 70% confluency, passage the cells.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Harvest cells at 70-80% confluency. Wash cells with PBS. Resuspend cells in 1 ml of freezing medium. Seed cells into a pre-cooled cryovial. Store at -80°C.

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

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

SK-LU-1 / SK-LU-1 / HLA

Sterility SK-LU-1 is free of mycoplasmas, PCR detectable. SK-LU-1 is free of mycoplasmas, PCR detectable.

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STR

Amelogenin: x,y
CSF1PO: 10
D13S317: 10
D16S539: 8
D5S818: 11
D7S820: 9
TH01: 7
TPOX: 8,1
vWA: 16,17
D3S1358: 18
D21S11: 29,30.2
D18S51: 18
Penta E: 5
Penta D: 10,13
D8S1179: 10
FGA: 21,22

HLA

A*: '24:02:01
B*: '40:02:01
C*: 02:02:02
DRB1*: 13:01:01
DQA1*: 01:03:01
DQB1*: 06:03:01
DPB1*: 04:02:01
E: 01:01:01