

Product sheet

SK-LU-1 | 300335

General Information

Description	SK-LU-1 is a cell line derived from a patient with metastatic melanoma. It is characterized by its ability to grow in suspension and its high tumorigenicity. SK-LU-1 cells are highly proliferative and are used for various research purposes, including drug screening and studying melanoma biology. SK-LU-1 cells are highly tumorigenic and are used for various research purposes, including drug screening and studying melanoma biology.
Organism	Human
Tissue	Melanoma
Disease	Melanoma (Stage III)
Synonyms	SK-Lu-1, SK LU 1, SK-Lu1, SK-LU1, SKLU-1, SKLU1, SKLU01

Characteristics

Age	60 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Adherent

Identification

Citation	SK-LU-1 (ATCC CCL-222) Cytion 300335
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0629

Additional Information

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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 medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 15 µl of medium. Seed the cells into a 96-well plate.
3. Incubate the cells at 37°C with 5% CO₂ in a humidified atmosphere. The cells should reach 70% confluency within 7-10 days.
4. Harvest the cells by trypsinization. Seed the cells into a new 96-well plate at a density of 15 µl per well.
5. The cells should reach 70% confluency within 7-10 days. Harvest the cells by trypsinization.
6. Seed the cells into a new 96-well plate at a density of 15 µl per well. The cells should reach 70% confluency within 7-10 days.
7. Harvest the cells by trypsinization. Seed the cells into a new 96-well plate at a density of 15 µl per well.
8. The cells should reach 70% confluency within 7-10 days. Harvest the cells by trypsinization.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Freeze the cells in a freezing medium and store at -80°C.

Shipping Conditions Ship the cells at -80°C.

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

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

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

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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