

Product sheet

SK-MEL-5 | 300157

SK-MEL-5

Description	SK-MEL-5 (SK-MEL-5) Cytion 300157 T. Takahashi
Organism	SK-MEL-5
Tissue	SK-MEL-5
Disease	SK-MEL-5
Metastatic site	SK-MEL-5
Synonyms	SK-Mel-5, SK MEL 5, SK.MEL.5, SK-MEL5, SKMel-5, SKMEL-5, SKMEL5, SKmel5, AA-Mel

SK-MEL-5

Age	24
Gender	SK-MEL-5
Ethnicity	SK-MEL-5
Morphology	SK-MEL-5
Growth properties	SK-MEL-5

SK-MEL-5

Citation	SK-MEL-5 (SK-MEL-5) Cytion 300157
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0527

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Protein expression P53

Isoenzymes PGM1, 1-2, PGM3, 1, ES-D, 1, AK-1, 1, GLO-1, 1-2, G6PD, B, 0.0860

Tumorigenic

Products

Media

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 1-3 1:3 1:6

Split ratio 1:3 1:6

Seeding density 1 x 10⁴

Fluid renewal 2-3

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. 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 in the original flask.
5. Incubate the flask at 37°C with 5% CO₂ for 5 minutes. Add 10 mL of medium to stop the trypsin reaction.
6. Gently pipette up and down to dislodge the cells. Transfer the cell suspension to a new flask.
7. Repeat the passaging process as needed.
8. Store the cells in a liquid nitrogen vapor phase for long-term storage.

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

Flask Coating None

Freezing Procedure Seed cells into a pre-warmed flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂ until cells reach confluence. Harvest cells using trypsin and resuspend in freezing medium. Aliquot into cryovials and store in liquid nitrogen vapor phase.

Shipping Conditions Cells should be shipped in a dry ice container at -78°C.

Storage Conditions Cells should be stored in a liquid nitrogen vapor phase at -150°C. Storage time is up to 196 weeks.

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Sterility Cells are free of mycoplasmas and other contaminants. PCR confirmed. Sterility testing performed on multiple passages.

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STR

Amelogenin: x,x
CSF1PO: 10,13
D13S317: 10,12
D16S539: 10,12
D5S818: 11,13
D7S820: 9,12
TH01: 6,9
TPOX: 11
vWA: 14,18
D3S1358: 16,17
D21S11: 29
D18S51: 15,16
Penta E: 5,12
Penta D: 9,11
D8S1179: 12:15
FGA: 20.2,22

HLA

A*: '02:01:01, '11:01:01
B*: 07:02:01, 40:01:02
C*: 03:04:01, 07:02:01
DRB1*: 04:01:01, 13:01:01
DQA1*: '01:03:01, '03:01:01
DQB1*: 03:02:01, 06:03:01
DPB1*: '03:01:01, '16:01:01
E: 01:01, 01:03