

Product sheet

SK-MEL-2 | 300423

SK-MEL-2

Description	SK-MEL-2, 60 B-Raf wildtype N-Ras
Organism	
Tissue	
Disease	
Metastatic site	
Synonyms	SK-Mel-2, SK-Mel 2, SK-mel-2, SK-MEL2, SK.MEL.2, SK Mel 2, SK MEL 2, SKMEL-2, SKMEL2, SKmel2, SK-ML2, SKml2

SK-MEL-2

Age	60
Gender	
Ethnicity	
Morphology	
Growth properties	

SK-MEL-2

Citation	SK-MEL-2 (Cytion 300423)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0069

SK-MEL-2

Product sheet

SK-MEL-2 | 300423

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

Tumorigenic No, non-tumorigenic in vivo. No tumorigenic in vivo

Products None

Karyotype (P6) 46,XX,t(11;17)(p11;p11),der(17)t(11;17)(p11;p11)

None

Culture Medium DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO₃, w: 1.0 mM sodium pyruvate (Cytion 820300a)

Supplements 10% FBS

Dissociation Reagent None

Subculturing Cells are cultured in DMEM supplemented with 10% FBS in T25, 3-5 x 10⁶ cells per T25 flask. Cells are passaged every 2-3 weeks. Cells are cultured in DMEM supplemented with 10% FBS in T25, 3-5 x 10⁶ cells per T25 flask.

Split ratio 1:3 or 1:6

Seeding density 1 x 10⁴ cells/cm²

Fluid renewal 2-3 times per week

Freeze medium DMEM supplemented with 10% FBS + 10% DMSO

SK-MEL-2 | 300423

Thawing and Culturing Cells

1. **Thawing:** Thaw the cells 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. **Resuspension:** Resuspend the cells in 10 mL of pre-warmed medium. Centrifuge at 300 x g for 3 minutes. Resuspend the pellet in 1 mL of pre-warmed medium.
3. **Seeding:** Seed the cells into a 15 cm² flask containing 8 mL of pre-warmed medium. The final cell concentration should be approximately 1 x 10⁶ cells/mL.
4. **Medium Change:** After 24 hours, change the medium to fresh pre-warmed medium. Remove 70% of the old medium.
5. **Incubation:** Incubate the cells in a humidified incubator at 37°C with 5% CO₂. Monitor the cells daily for confluency.
6. **Passaging:** Once the cells reach 80-90% confluency, passage them into a new flask. Use trypsin to detach the cells.
7. **Quality Control:** Perform a sterility test and check for mycoplasma contamination. Use PCR or other methods for detection.
8. **Storage:** Store the cells in liquid nitrogen for long-term storage. Use cryoprotectant for freezing.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating Yes

Freezing Procedure Freeze cells in a cryovial with cryoprotectant. Store at -80°C.

Shipping Conditions Ship cells in a dry ice container. Store at -80°C.

Storage Conditions Store cells in liquid nitrogen. Shelf life: 196 days.

SK-MEL-2 / SK-MEL-2 / HLA

Sterility

SK-MEL-2 cells are tested for sterility using PCR. No contamination was detected.

SK-MEL-2 cells are tested for mycoplasma contamination. No contamination was detected.

██████████ SK-MEL-2 | 300423

██████████ STR

Amelogenin: x,x
CSF1PO: 10,12
D13S317: 11
D16S539: 8,9
D5S818: 12,13
D7S820: 11,12
TH01: 9
TPOX: 8,9
vWA: 17,18
D3S1358: 14,16
D21S11: 29,3
D18S51: 15,16
Penta E: 7,16
Penta D: 10,15
D8S1179: 12,13
FGA: 19, 21, 25