

**SK-MEL-5 | 300157**

**General information**

<b>Description</b>	SK-MEL-5 is a melanoma cell line derived from a 24-year-old male patient with a primary melanoma on the back. The cell line is characterized by its high tumorigenicity and ability to form melanin pigment in culture. It is a well-established model for studying melanoma biology and drug response.
<b>Organism</b>	Human
<b>Tissue</b>	Melanoma
<b>Disease</b>	Melanoma
<b>Metastatic site</b>	SK-MEL-5 cells are known to metastasize to various sites, including the lung, liver, and brain.
<b>Applications</b>	SK-MEL-5 cells are used in various applications, including drug screening, toxicity testing, and basic research on melanoma biology and drug resistance.
<b>Synonyms</b>	SK-MEL-5, SK MEL.5, SK.MEL.5, SK-MEL.5, SK-MEL5, SKMEL-5, SKMEL-5, SKMEL5, SKMEL5, SKMEL5, SKMel5, SKmel5, Mel

**Cell characteristics**

<b>Age</b>	24 years
<b>Gender</b>	Male
<b>Ethnicity</b>	White
<b>Morphology</b>	Epithelial
<b>Cell type</b>	Melanocytes / Melanoma cells
<b>Growth properties</b>	Adherent

**Identification and safety**

<b>Citation</b>	SK-MEL-5 (ATCC CCL-226)   300157
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606



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**Thawing and Culturing Cells**

1. Thaw the vial rapidly in a 37°C water bath. Transfer the cells to a 15 mL centrifuge tube containing 10 mL of pre-warmed complete medium. Centrifuge at 300 × g for 3 minutes. Remove the supernatant and resuspend the cells in 10 mL of complete medium. Seed the cells into a T75 flask containing 50 mL of complete medium.
2. Incubate the cells in a humidified 5% CO<sub>2</sub> atmosphere at 37°C until they reach 70-80% confluency.
3. Harvest the cells by trypsinization. Seed the cells into a T75 flask containing 50 mL of complete medium.
4. Incubate the cells in a humidified 5% CO<sub>2</sub> atmosphere at 37°C until they reach 70-80% confluency.
5. Harvest the cells by trypsinization. Seed the cells into a T75 flask containing 50 mL of complete medium.
6. Incubate the cells in a humidified 5% CO<sub>2</sub> atmosphere at 37°C until they reach 70-80% confluency.
7. Harvest the cells by trypsinization. Seed the cells into a T75 flask containing 50 mL of complete medium.
8. Incubate the cells in a humidified 5% CO<sub>2</sub> atmosphere at 37°C until they reach 70-80% confluency.

**Incubation Atmosphere**

37°C, 5% CO<sub>2</sub>, humidified

**Flask Coating**

None

**Freezing Procedure**

Resuspend cells in 1 mL of freezing medium. Seed into a 1.5 mL microcentrifuge tube. Freeze at -80°C.

**Shipping Conditions**

Store at -80°C. Ship on dry ice.

**Storage Conditions**

Store at -150°C to -196°C in liquid nitrogen.

**SK-MEL-5 / SK-MEL-5 / HLA**

**Sterility**

SK-MEL-5 cells are tested for mycoplasma contamination using PCR. SK-MEL-5 cells are free of mycoplasma contamination.

**XXXXXXXX SK-MEL-5 | 300157**

**XXXXXXXX XXXXXXXXXXXX STRAmelogenin: xXx**

**CSF1PO:** 10X13  
**D13S317:** 10X12  
**D16S539:** 10X12  
**D5S818:** 11X13  
**D7S820:** 9X12  
**TH01:** 6,9  
**TPOX:** 11  
**vWA:** 14X18  
**D3S1358:** 16X17  
**D21S11:** 29  
**D18S51:** 15X16  
**Penta E:** 5,12  
**Penta D:** 9X11  
**D8S1179:** 12:15  
**FGA:** 20.2X22

**XXXXXXXX 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