

Product sheet

SK-N-MC | 300340

General Information

Description	SK-N-MC (SK-N-MC) is a neuroblastoma cell line established from a 12-year-old child in 1971. It is a highly tumorigenic, neuroblastoma-derived cell line that grows in suspension and forms neurospheres. It is characterized by its ability to differentiate into neural crest derivatives, including neurons, glial cells, and neuroendocrine cells. The cell line is maintained in DMEM/F12 medium supplemented with BDNF and NGF. It is a valuable model for studying neuroblastoma biology and differentiation.
Organism	Human
Tissue	Neuroblastoma
Disease	Neuroblastoma
Metastatic site	SK-N-MC
Synonyms	SKNMC, SK-NMC, SK-NMC, SK-NMC

Characteristics

Age	12 years
Gender	Male
Ethnicity	German
Morphology	Neuroblastoma
Growth properties	Neuroblastoma

References and Accession

Citation	SK-N-MC (SK-N-MC) (ATCC CRL-2147) (300340)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0530

Additional Information

SK-N-MC | 300340

Thawing and Culturing Cells

1. Thaw the vial rapidly in a 37°C water bath. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 1 ml of medium.
3. Seed the cells into a 24-well plate at a density of 37,000 cells per well.
4. Incubate the cells in a humidified 5% CO₂ atmosphere at 37°C. The cells should reach 70% confluency within 7-10 days.
5. Once the cells are confluent, they can be used for experiments or passaged.
6. For passaging, trypsinize the cells and seed them into a new well.
7. The cells should be passaged every 7-10 days to maintain optimal growth.
8. Store the cells in liquid nitrogen for long-term storage.

Incubation Atmosphere 37 °C, 5% CO₂

Flask Coating Adherent cells

Freezing Procedure Seed cells into a 24-well plate at a density of 37,000 cells per well. Harvest cells when they reach 70-80% confluency.

Shipping Conditions Cells can be shipped at room temperature for up to 72 hours.

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

SK-N-MC / SK-N-MC / HLA

Sterility Cells are provided as a frozen stock. Thaw cells in a 37°C water bath. Seed cells into a 24-well plate. The cells should reach 70% confluency within 7-10 days.

████████SK-N-MC | 300340

████████HLA

A*: '01:01:01, '25:01:01

B*: '08:01:01, '08:01:01G

C*: '07:01:01

DRB1*: '03:01:01, '15:01:01G

DQA1*: '01:02:01, '05:01:01

DQB1*: '02:01:01, '06:02:01

DPB1*: '01:01:01, '04:02:01

E: '01:01:01