

Product sheet

SK-N-MC | 300340

General information

Description	SK-N-MC cell line established by J.L. Biedler in 1971. It is a neuroblastoma cell line derived from a 12-year-old child. The cells are highly tumorigenic and form neuroblastomas in nude mice. SK-N-MC cells are characterized by their ability to differentiate into various neural lineages, including sympathetic neurons, neuroendocrine cells, and glial cells. They are commonly used in research on neuroblastoma and neural differentiation.
Organism	Human
Tissue	Neuroblastoma
Disease	Neuroblastoma
Metastatic site	Various sites, including lymph nodes, bone, and lung.
Synonyms	SKNMC, SK-NM-C, SK-NMC

Cell characteristics

Age	12 years
Gender	Male
Ethnicity	White
Morphology	Neuroblastoma cells, highly tumorigenic.
Growth properties	Highly tumorigenic, forms neuroblastomas in nude mice.

Identification and safety

Citation	SK-N-MC (SK-N-MC) Cytion 300340
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0530

Additional information

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Thawing and Culturing Cells

1. Thaw the vial rapidly in a water bath at 37°C. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a pre-warmed flask containing 5-15 mL of medium. Incubate at 37°C with 5% CO₂.
3. Once cells are attached, change the medium to fresh pre-warmed medium. Incubate at 37°C with 5% CO₂.
4. When cells reach 70-80% confluency, passage them into a new flask.
5. Seed cells into a flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂.
6. Once cells are attached, change the medium to fresh pre-warmed medium. Incubate at 37°C with 5% CO₂.
7. When cells reach 10% confluency, passage them into a new flask.
8. Seed cells into a flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating Cell culture medium, 10 minutes

Freezing Procedure Harvest cells, resuspend in freezing medium, store at -80°C

Shipping Conditions Store at -80°C

Storage Conditions Store at -150°C for 196 days

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

Sterility Sterilized by gamma irradiation, PCR negative for mycoplasmas

██████ 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