

SK-N-DZ | 305628

SK-N-DZ

Description	SK-N-DZ is a neuroblastoma cell line derived from a 2-year-old child. It is a highly tumorigenic, undifferentiated neuroblastoma cell line. SK-N-DZ cells are characterized by their ability to form neuroblastoma xenografts in nude mice. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS). SK-N-DZ cells are highly tumorigenic and form neuroblastoma xenografts in nude mice. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS).
Organism	Human
Tissue	Neuroblastoma
Disease	Neuroblastoma
Metastatic site	Neuroblastoma
Applications	SK-N-DZ cells are used for the study of neuroblastoma biology and for the development of new therapies. The cell line is used for the study of neuroblastoma biology and for the development of new therapies.
Synonyms	SKNDZ

SK-N-DZ

Age	2 years
Gender	Male
Ethnicity	European
Morphology	Neuroblastoma
Cell type	Neuroblastoma
Growth properties	Neuroblastoma

SK-N-DZ

Citation	SK-N-DZ (SK-N-DZ) Cytion: 305628
Biosafety level	1

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NCBI_TaxID 9606

CellosaurusAccession CVCL_1701

Mutational profile TP53 p.Arg110Leu (c.329G>T)

Culture Medium DMEM 4.5 g/l Glucose 4 mM L-Glutamine 3.7 g/l NaHCO3 1.0 mM Sodium Pyruvate (100 mM 820

Supplements 10% FBS

Dissociation Reagent

Seeding density 0.3 × 10⁶ cells/ml

Fluid renewal 2-3 times per week

Freeze medium 10% FBS + 10% DMSO

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Thawing and
Culturing Cells

1. Thaw the cells quickly in a water bath at 37°C. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 × g for 3 minutes. Remove the supernatant and resuspend the cells in pre-warmed medium.
3. Seed the cells into a 24-well plate at a density of 15 × 10⁴ cells per well. Incubate at 37°C in 5% CO₂.
4. After 24 hours, check the cell attachment. If the cells do not attach, replace the medium with fresh pre-warmed medium.
5. Once the cells are attached, replace the medium with fresh pre-warmed medium.
6. After 48 hours, check the cell confluency. If the cells are not confluent, seed more cells.
7. Once the cells are confluent, they can be used for experiments.
8. The cells can be passaged by trypsinization.

Incubation
Atmosphere

37°C, 5% CO₂

Shipping
Conditions

Cells are shipped in a dry ice container at -78°C.

Storage
Conditions

Cells can be stored at -150°C to -196°C in liquid nitrogen.

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Sterility

Cells are tested for mycoplasma contamination using PCR. The results are negative. The cells are also tested for endotoxin contamination. The results are negative.