

SK-N-LO | 300400

SK-N-LO

Description	SK-N-LO is a neuroblastoma cell line derived from a 10-month-old child. It is characterized by the presence of the MYCN oncogene, which is amplified in this cell line. SK-N-LO cells are highly tumorigenic and can form neuroblastomas in nude mice. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS). SK-N-LO cells are highly tumorigenic and can form neuroblastomas 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	SK-N-LO
Synonyms	SK-N-LO, SKN-LO, SKNLO
Age	10 months
Gender	Male
Ethnicity	Unknown
Morphology	Neuroblastoma
Growth properties	SK-N-LO cells are highly tumorigenic and can form neuroblastomas in nude mice. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS).
Citation	SK-N-LO (SKN-LO) Cytion 300400
Biosafety level	1
NCBI_TaxID	9606

Product sheet

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CellosaurusAccession CVCL_4569

SK-N-LO-300400

Karyotype 0.00005

SK-N-LO

Culture Medium EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO₃, w: EBSS (Cytion 820100a)

Supplements 10% FBS 1% NEAA

Dissociation Reagent

Subculturing 1. Seed cells into 25 cm² flasks (Corning) or 125 cm² flasks (Corning) in EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO₃, w: EBSS (Cytion 820100a) + 10% FBS + 1% NEAA. 2. When cells reach confluence, remove medium and wash cells with PBS. 3. Add 5 ml of dissociation reagent (Cytion 820100a) and incubate for 5 min. 4. Add 5 ml of PBS and scrape cells into a tube. 5. Centrifuge at 300 x g for 5 min. 6. Resuspend cells in EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO₃, w: EBSS (Cytion 820100a) + 10% FBS + 1% NEAA. 7. Seed cells into new flasks.

Split ratio 1:6 1:12

Seeding density 3 x 10⁴ cells/cm²

Fluid renewal 2-3 times per week

Freeze medium 1. Remove medium and wash cells with PBS. 2. Add 5 ml of dissociation reagent (Cytion 820100a) and incubate for 5 min. 3. Add 5 ml of PBS and scrape cells into a tube. 4. Centrifuge at 300 x g for 5 min. 5. Resuspend cells in 1 ml of freeze medium (Cytion 800100) + 40% FBS + 10% DMSO. 6. Seed cells into a new flask.

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STR

Amelogenin: x,x
CSF1PO: 11,12
D13S317: 8,11
D16S539: 12
D5S818: 11,12
D7S820: 11
TH01: 10
TPOX: 8,11
vWA: 14,17
D3S1358: 14,17
D21S11: 27,28
D18S51: 12
Penta E: 7
Penta D: 9,13
D8S1179: 12:15
FGA: 25

HLA

A*: '24:02:01, '29:02:01
B*: '18:01:01, '58:01:01
C*: 05:01:01, 07:18:01
DRB1*: 03:01:01, 08:04:01
DQA1*: 04:01:02, 05:01:01
DQB1*: '02:01:01, '04:02:01
DPB1*: '02:01:02, '13:01:01
E: 01:01, 01:03