

Product sheet

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 its ability to differentiate into various neural lineages. SK-N-LO cells express markers for neuroblastoma, including GLI, GANT61, and p21. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 100 μg/ml insulin, transferrin, and selenium (ITS).

Organism Human

Tissue Neuroblastoma

Disease Neuroblastoma

Metastatic site Lung, Liver, Bone

Synonyms SK-N-LO, SKN-LO, SKNLO

Characteristics

Age 10 months

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Growth properties Adherent, Slow growing

References

Citation SK-N-LO (ATCC CRL-2147) | Cytion 300400

Biosafety level 1

NCBI_TaxID 9606

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Thawing and Culturing Cells

1. Thaw the cells rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a pre-warmed flask containing 10 ml of medium. Incubate at 37°C with 5% CO₂.
3. Once the cells have reached confluence, passage them into a new flask. Use a trypsin solution to detach the cells.
4. Seed the cells into a new flask at a density of 70% confluence.
5. Incubate the cells at 37°C with 5% CO₂ until they reach confluence.
6. Harvest the cells by centrifugation at 300 x g for 3 minutes. Wash the cells with PBS.
7. Resuspend the cells in a volume of 10 µl of medium. Seed them into a new flask.
8. Incubate the cells at 37°C with 5% CO₂ until they reach confluence.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating No coating

Freezing Procedure Harvest cells by centrifugation at 300 x g for 3 minutes. Wash with PBS. 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-LO / SK-N-LO / HLA

Sterility The cells are free of mycoplasmas and PCR detectable. The cells are free of endotoxins.

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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