

Product sheet

SK-NEP-1 | 300341

SK-NEP-1

**Description**  
SK-NEP-1 is a human neuroendocrine carcinoma cell line derived from a 55-year-old male patient with a primary tumor in the lung. The cell line is characterized by its neuroendocrine phenotype and is used for research in neuroendocrine tumors. SK-NEP-1 cells are highly proliferative and form neuroendocrine-like structures in culture. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 10 ng/ml insulin-like growth factor-1 (IGF-1). SK-NEP-1 cells are highly sensitive to platinum-based chemotherapy and are used as a model for neuroendocrine carcinoma research.

**Organism** Human

**Tissue** Lung

**Disease** Neuroendocrine carcinoma

**Metastatic site** Lung, lymph nodes

**Synonyms** SKNEP-1, SKNEP1, SKNEP

Characteristics

**Age** 25 years

**Gender** Male

**Ethnicity** Caucasian

**Morphology** Epithelial

**Growth properties** Adherent

References

**Citation** SK-NEP-1 (SK-NEP-1) Cytion 300341

**Biosafety level** 1

**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_0631



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Thawing and Culturing Cells

1. Thaw the vial quickly 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. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 15 µl of medium. Seed the cells into a 96-well plate.
3. Incubate the cells at 37°C with 5% CO<sub>2</sub> in a humidified atmosphere. The cells should reach 70% confluency within 7-10 days.
4. Harvest the cells by trypsinization. Seed the cells into a 96-well plate at a density of 15 µl per well.
5. Incubate the cells at 37°C with 5% CO<sub>2</sub> in a humidified atmosphere. The cells should reach 70% confluency within 7-10 days.
6. Harvest the cells by trypsinization. Seed the cells into a 96-well plate at a density of 15 µl per well.
7. Incubate the cells at 37°C with 5% CO<sub>2</sub> in a humidified atmosphere. The cells should reach 70% confluency within 7-10 days.
8. Harvest the cells by trypsinization. Seed the cells into a 96-well plate at a density of 15 µl per well.

Incubation Atmosphere

37°C, 5% CO<sub>2</sub>, humidified

Flask Coating

Not required

Freezing Procedure

Not applicable for this product

Shipping Conditions

Store at -78°C

Storage Conditions

Store at -150 to -196 °C

SK-NEP-1 / SK-NEP-1 / HLA

Sterility

Not applicable for this product

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**STR**

**CSF1PO:** 10  
**D13S317:** 11  
**D16S539:** 11  
**D5S818:** 13  
**D7S820:** 8,1  
**TH01:** 8,9,3  
**TPOX:** 8,11  
**vWA:** 15,19  
**D3S1358:** 14,15  
**D21S11:** 29,31  
**D18S51:** 15,17  
**Penta E:** 7,18  
**Penta D:** 11,12  
**D8S1179:** 12  
**FGA:** 24

**HLA**

**A\*:** '25:01:01, '31:01:02  
**B\*:** '51:01:01, '55:01:01  
**C\*:** 03:03:01, 15:02:01  
**DRB1\*:** 14:54:01, 15:01:01G  
**DQA1\*:** '01:02:01, '01:04:01  
**DQB1\*:** '05:03:01, '06:02:01  
**DPB1\*:** '03:01:01, '04:01:01  
**E:** '01:01:01, '01:03:01