

NCI-H196 | 300390

General information

Description	NCI-H196 is a cell line derived from a human small cell lung carcinoma (SCLC) tumor, which was established from a patient with a primary tumor in the lung and metastatic disease in the brain, bone, and lymph nodes. The cell line is characterized by its high growth rate and its sensitivity to platinum-based chemotherapy. It is a highly aggressive, poorly differentiated neuroendocrine carcinoma. The cell line is derived from a patient with a primary tumor in the lung and metastatic disease in the brain, bone, and lymph nodes. The cell line is characterized by its high growth rate and its sensitivity to platinum-based chemotherapy. It is a highly aggressive, poorly differentiated neuroendocrine carcinoma. The cell line is derived from a patient with a primary tumor in the lung and metastatic disease in the brain, bone, and lymph nodes. The cell line is characterized by its high growth rate and its sensitivity to platinum-based chemotherapy. It is a highly aggressive, poorly differentiated neuroendocrine carcinoma.
Organism	Human
Tissue	Lung
Disease	Small cell lung carcinoma
Metastatic site	Brain, bone, lymph nodes
Applications	Drug screening, cell biology, cancer research
Synonyms	NCI-H196, H-196, NCIH196

Cell characteristics

Age	68 years
Gender	Male
Ethnicity	White
Growth properties	High growth rate

Cell line identification

Citation	NCI-H196 (Cytion 300390)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1509

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NCI-H196 - Human melanoma

NCI-H196

Culture Medium	RPMI 1640, w: 2.0 mM NaH_2PO_4 , w: 2.0 g/L NaHCO_3 (Cytion 820700a)
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Supplements	10% FBS
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Dissociation Reagent	Trypsin
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Subculturing	Cells are grown in 25 cm ² flasks in RPMI 1640 medium supplemented with 10% FBS. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks. The medium is changed every 3-5 days.
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Freeze medium	Cells are frozen in RPMI 1640 medium supplemented with 10% FBS and 10% DMSO. The medium is changed every 3-5 days.
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Thawing and Culturing Cells

1. Thaw cells rapidly in a water bath at 37°C. Transfer cells to a sterile tube and centrifuge at 300 x g for 5 minutes.
2. Remove the supernatant and resuspend cells in 1 mL of RPMI 1640 medium supplemented with 10% FBS.
3. Seed cells into a 25 cm² flask. The medium is changed every 3-5 days.
4. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks.
5. The medium is changed every 3-5 days.
6. Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS.
7. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks.
8. The medium is changed every 3-5 days.

Incubation Atmosphere	37°C, 5% CO_2 , humidified
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Flask Coating	Cells are grown in uncoated flasks.
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Freezing Procedure

[illegible]

Shipping Conditions

XXX -78°C

Storage Conditions

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Sterility

Abstract

[illegible]