

Product sheet

NCI-H889 | 305842

General information

**Description**  
NCI-H889 is a human small cell lung carcinoma (SCLC) cell line. It is a neuroendocrine tumor that is highly sensitive to platinum-based chemotherapy. The cell line is derived from a 69-year-old male patient with a primary tumor in the lung. The cell line is characterized by its high proliferation rate and its ability to form neuroendocrine tumors. The cell line is maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS) and 100 ng/ml insulin-like growth factor II (IGF-II). The cell line is highly sensitive to platinum-based chemotherapy, including cisplatin and carboplatin. The cell line is also sensitive to irinotecan and etoposide. The cell line is highly sensitive to radiation therapy. The cell line is highly sensitive to anti-angiogenic therapy, including sunitinib and sorafenib. The cell line is highly sensitive to anti-HER2 therapy, including trastuzumab. The cell line is highly sensitive to anti-EGFR therapy, including gefitinib and erlotinib. The cell line is highly sensitive to anti-metastatic therapy, including docetaxel and paclitaxel. The cell line is highly sensitive to anti-inflammatory therapy, including dexamethasone. The cell line is highly sensitive to anti-cancer therapy, including docetaxel, paclitaxel, and irinotecan. The cell line is highly sensitive to anti-cancer therapy, including docetaxel, paclitaxel, and irinotecan.

**Organism** Human

**Tissue** Lung

**Disease** Small cell lung carcinoma

**Metastatic site** Lung

**Synonyms** H889, H-889, NCIH889

Cell characteristics

**Age** 69 years

**Gender** Male

**Ethnicity** Caucasian

**Morphology** Small cell carcinoma

**Cell type** Neuroendocrine

**Growth properties** High proliferation rate

Additional information

**Citation** NCI-H889 (Cytion 305842)

**Biosafety level** 1

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NCBI\_TaxID 9606

CellosaurusAccession CVCL\_1598

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Mutational profile TP53 p.Cys242Ser (c.725G>C) (PubMed=1312696 PubMed=1565469).

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Culture Medium RPMI 1640 2.0 2.0 NaHCO3 (820700a)

Supplements 10% FBS

Dissociation Reagent

Fluid renewal 2 3

Freeze medium + 10% DMSO

Thawing and Culturing Cells

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2. ...
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