

NCI-H889 | 305842

General information

Description	NCI-H889 is a cell line derived from a human small cell lung carcinoma (SCLC) tumor. It is characterized by its high growth rate and sensitivity to platinum-based chemotherapy. NCI-H889 cells express high levels of insulin-like growth factor II (IGF-II) and IGF-R. IGF-R is a receptor tyrosine kinase that plays a role in cell growth and differentiation. IGF-R is overexpressed in many types of cancer, including SCLC. NCI-H889 cells are used as a model system for studying the role of IGF-R in cancer progression and for testing new drugs that target IGF-R.
Organism	Human
Tissue	Lung
Disease	Small cell lung carcinoma
Metastatic site	Brain, bone, lymph node
Synonyms	H889, H-889, NCIH889

Cell characteristics

Age	69 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Cell type	Small cell lung carcinoma
Growth properties	High growth rate, sensitive to platinum-based chemotherapy

Cell line identification

Citation	NCI-H889 (Cytion 305842)
Biosafety level	1

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NCBI_TaxID 9606

CellosaurusAccession CVCL_1598

Cell Line Name - Cell Line Name

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

Cell Line Name

Culture Medium RPMI 1640, w: 2.0 mM , w: 2.0 g/L NaHCO3 (Cytion 820700a)

Supplements 10% FBS

Dissociation Reagent

Fluid renewal 2 x 3

Freeze medium , (FBS) + 10% DMSO

Thawing and Culturing Cells

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

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Incubation
Atmosphere

37°C, 5%_{CO2}, humidified air

Flask Coating

None

Shipping
Conditions

Cells are shipped in a dry ice container. The container should be kept at -78°C.

Storage
Conditions

Cells should be stored in a humidified atmosphere at 37°C. The cells should be used within 150-196 days after receipt.

NCI-H889 Cell Line

Sterility

The cells are tested for mycoplasma contamination. The cells are also tested for PCR. The cells are found to be free of mycoplasma and PCR. The cells are found to be free of mycoplasma and PCR.