

Product sheet

NCI-H889 | 305842

General information

Description
NCI-H889 is a human small cell lung carcinoma (SCLC) cell line. It is derived from a 69-year-old male patient with a primary tumor in the right lung. The cell line is characterized by its high growth rate and its ability to form neuroendocrine tumors. It is a highly metastatic cell line and is used in various cancer research models. The cell line is maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin. It is a highly proliferative cell line and is used in various cancer research models. The cell line is characterized by its high growth rate and its ability to form neuroendocrine tumors. It is a highly metastatic cell line and is used in various cancer research models.

Organism Human

Tissue Lung

Disease Small cell lung carcinoma

Metastatic site Liver, brain, bone, lymph nodes

Synonyms H889, H-889, NCIH889

Cell characteristics

Age 69 years

Gender Male

Ethnicity Caucasian

Morphology Small cell carcinoma

Cell type Epithelial

Growth properties High growth rate, neuroendocrine

References and safety

Citation NCI-H889 (ATCC CCL-220) Cytion 305842

Biosafety level 1

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NCBI_TaxID 9606

CellosaurusAccession CVCL_1598

Cell Line Characteristics

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

Cell Line Origin

Culture Medium RPMI 1640 2.0 2.0 2.0 NaHCO3 (820700a)

Supplements 10% FBS

Dissociation Reagent

Fluid renewal 2-3 times per week

Freeze medium 10% DMSO + 90% FBS

Thawing and Culturing Cells

1. Thaw cells in a 37°C water bath.
2. Dilute cells into pre-warmed complete medium.
3. Seed cells into a 96-well plate (37°C, 5% CO2).
4. Monitor cell growth and confluency (70% confluency).
5. Pass cells into a 25 cm2 flask (15 days, 8 passages).
6. Seed cells into a 300 cm2 flask (3 passages).
7. Seed cells into a 10 cm2 flask (10 passages).
8. Seed cells into a 25 cm2 flask (8 passages).

