

Product sheet

NCI-H889 | 305842

NCI-H889

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 neuroendocrine phenotype and high proliferation rate. It is highly sensitive to platinum-based chemotherapy and topoisomerase II inhibitors. NCI-H889 cells express high levels of insulin-like growth factor II (IGF-II) and IGF-R. The cell line is maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS) and 100 ng/ml IGF-II. NCI-H889 cells are highly tumorigenic in nude mice.

Organism Human

Tissue Lung

Disease Small cell lung carcinoma

Metastatic site Lung

Synonyms H889, H-889, NCIH889

Characteristics

Age 69 years

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Cell type Epithelial

Growth properties Adherent

References

Citation NCI-H889 (ATCC CCL-221) Cytion 305842

Biosafety level 1

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NCBI_TaxID 9606

CellosaurusAccession CVCL_1598

XXXXXXXXXX XXXX-XXXXXXXXXXXXXXXXXX

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

XXXXXXXXXX

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

Supplements XXXXX XXXXXXXX 10% FBS

Dissociation Reagent XXXXXXXX

Fluid renewal 2 XXX 3 XXXXXXXX XXXXXXXX

Freeze medium XXXXXXXX XXXXXXXX XXXXXXXX, XXX XXXXXXXX XXXXXXXX XXXXXXXX XXX (XXXXX FBS) + 10% DMSO XXX XXXXXXXX XXXXXXXX XXXXXXXX XXXXXXXX XXXXXXXX, XXX C

Thawing and Culturing Cells

- 1. XXX XXXXXXXX XXXXXXXX XXXXXXXX XXX XXXXXXXX, XXX XXXXXXXX XXXXXXXX XXXXXXXX XXX XXXXXXXX XXX XXXXXXXX XXXXXXXX XXXXXXXX XXXXXXXX XXXXXXXX
2. XXX XXXXXXXX XXXXXXXX, XXXXXXX XXX XXXXXXXX XXXXXXXX XXXXXXXX XXXXXXXX XXXXXXXX -150°C XXX XXXXXXXX XXX XXXXXXXX XXXXXXXX XXXXXXXX, XXX XXXXXXXX
3. XXXXXXX XXXXXXX XXXXXXXX, XXXXXXX XXX XXXXXXXX XXXXXXXX XXX XXXXXXXX XXXXXXXX XXX XXXXXXXX XXXXXXXX XXX XXXXXXXX XXXXXXXX XXX XXXXXXXX
4. XXX XXX XXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX, XXXXXXX XXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX 70% XXXXXXX XXXXXXXX
5. XXX XXXXXXX XXX XXXXXXX XXXXXXX XXXXXXX XXX XXXXXXX XXXXXXX
6. XXXXXXX XXX XXXXXXX XXXXXXX XXXXXXX XXX -300 x g XXXXXXX 3 XXXXXXX XXX XXXXXXX XXX XXXXXXX, XXXXXXX XXXXXXX XXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX
7. XXXXXXX XXXXXXX XXX XXXXXXX XXX -10 °F XXX XXX XXXXXXX XXX. XXXXXXX XXX XXXXXXX, XXXXXXX XXX XXXXXXX XXX XXX XXXXXXX XXXXXXX XXXXXXX T2
8. XXXXXXX XXX XXXXXXX XXX -XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXX XXXXXXX, XXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX

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Incubation Atmosphere 37°C, 5% CO₂, H_2

Flask Coating H_2

Shipping Conditions H_2 -78°C

Storage Conditions H_2 -150 to 196

HLA

Sterility