

Product sheet

NCI-H460 | 305020

General Information

Description	NCI-H460 is a human non-small cell lung carcinoma cell line. It is derived from a 68-year-old male patient with a primary tumor in the right lung. The cell line is characterized by a karyotype of 46,XY,t(7;9)(p11;p22),t(10q14q),t(16;16)(q11.23;q22). It is a highly tumorigenic cell line that grows as a monolayer in DMEM supplemented with 10% fetal bovine serum. The cell line is maintained in the presence of hygromycin B and puromycin. It is a good model for studying the biology of non-small cell lung carcinoma and for testing anticancer drugs.
Organism	Human
Tissue	Lung
Disease	Non-small cell lung carcinoma
Metastatic site	Brain, Bone, Liver, Lung, Pancreas
Synonyms	NFCI-H460, NFCI.H460, H-460, NFCI-HH460, NFCI-Hut-460, NFCI-460

Characteristics

Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Adherent

Identification

Citation	H-460 (NCI-H460) 305020
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0459

Genetic Information

Tumorigenic	Yes
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General Information

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

Supplements 10% FBS

Dissociation Reagent

Subculturing PBS

Fluid renewal 2-3

Freeze medium (FBS) + 10% DMSO

- ### Thawing and Culturing Cells
1. Thaw cells in a 37°C water bath.
 2. Centrifuge cells at 300 \times g for 3 minutes.
 3. Wash cells with PBS.
 4. Resuspend cells in 70% FBS.
 5. Seed cells into a 15 cm² flask.
 6. Incubate cells for 8 days.
 7. Harvest cells when they reach 10% confluency.
 8. Store cells in a liquid nitrogen tank.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating

