

Product sheet

NCI-H661 | 305085

General information

Description	NCI-H661 is a human non-small cell lung carcinoma cell line. It is derived from a 66-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 colonies in soft agar. It is a member of the NCI-H660 series of cell lines.
Organism	Human
Tissue	Lung
Disease	Non-small cell lung carcinoma
Metastatic site	Adipose tissue
Synonyms	NCI-H661, H-661, NCIH661

Cell characteristics

Age	43 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Adherent

Cell line identification

Citation	NCI-H661 (NCI-H660) Cytion 305085
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1577

Cell line source

Cell line history

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Culture Medium RPMI 1640, w: 2.0 mM CaCl_2 , w: 2.0 g/L NaHCO_3 (Cytion 820700a)

Supplements CaCl_2 10% FBS

Dissociation Reagent CaCl_2

Subculturing Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks at a split ratio of 1:2 to 1:4.

Split ratio 1:2 to 1:4

Fluid renewal 2 to 3 times per week

Freeze medium CaCl_2 10% FBS + 10% DMSO (Cytion 820700a)

Thawing and Culturing Cells

1. Thaw the cells in a water bath at 37°C.
2. Centrifuge the cells at 300 x g for 3 minutes.
3. Resuspend the cells in RPMI 1640 medium supplemented with 10% FBS.
4. Seed the cells into a 25 cm² flask at a split ratio of 1:2 to 1:4.
5. Incubate the cells in a CO₂ incubator at 37°C.
6. Perform fluid renewal 2 to 3 times per week.
7. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks.
8. The cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS.

Incubation Atmosphere 37°C, 5% CO_2 , humidified

Flask Coating None

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Freezing
Procedure

1. Harvest cells and centrifuge at 300 x g for 5 min. 2. Remove supernatant and resuspend cells in 1 ml of freezing medium. 3. Mix gently and transfer to a cryovial. 4. Freeze at -80°C.

Shipping
Conditions

1. Cells are shipped in dry ice. 2. Shipping medium is provided. 3. Cells should be received at -78°C.

Storage
Conditions

1. Cells should be stored at -150 to -196°C. 2. Storage medium is provided. 3. Cells should be stored in a cryovial.

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Sterility

1. Cells are tested for mycoplasma contamination. 2. Cells are tested for endotoxin contamination. 3. Cells are tested for PCR contamination. 4. Cells are tested for sterility. 5. Cells are tested for mycoplasma contamination. 6. Cells are tested for endotoxin contamination. 7. Cells are tested for PCR contamination. 8. Cells are tested for sterility.