

XXX NCI-H460 | 305020

XXXXXX XXXXXX

Description	NCI-H460, 肺腺癌細胞株 H460, 人肺腺癌細胞株。NCI-H460 是人類肺腺癌細胞株，源自 p53 基因突變的肺腺癌組織。該細胞株具有多種染色體異常，包括 der(9)t(1;9)(q21;p24), der(9)t(7;9)(p11;p22), t(10q14q), der(16)t(7;16)(q11.23;q22)。該細胞株的 mRNA p53 表達水平低。
Organism	人
Tissue	肺腺癌
Disease	肺腺癌
Metastatic site	肺腺癌
Synonyms	NCI-H460, NCI.H460, H-460, NCIH460, NCI-HUT-460, NCI-460

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Gender	☒☒☒
Ethnicity	☒☒☒☒☒☒☒
Morphology	☒☒☒☒☒
Growth properties	☒☒☒

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

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Tumorigenic

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NCI-H460

Culture Medium	RPMI 1640, w: 2.0 mM CaCl_2 , w: 2.0 g/L NaHCO_3 (Cytion 820700a)
Supplements	10% FBS
Dissociation Reagent	
Subculturing	Cells are grown in 25 cm ² flasks in RPMI 1640 medium supplemented with 10% FBS. Cells are passaged when they reach 70-80% confluency. Cells are detached using trypsin-EDTA (Cytion 820700a) and seeded into new flasks.
Fluid renewal	2-3 times per week
Freeze medium	Cells are frozen in RPMI 1640 medium supplemented with 10% FBS and 10% DMSO.
Thawing and Culturing Cells	- Cells are thawed in a water bath at 37°C. - Cells are centrifuged at 300 x g for 5 minutes. - Cells are resuspended in RPMI 1640 medium supplemented with 10% FBS. - Cells are seeded into new flasks. - Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS. - Cells are passaged when they reach 70-80% confluency. - Cells are detached using trypsin-EDTA (Cytion 820700a) and seeded into new flasks. - Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS.
Incubation Atmosphere	37°C, 5% CO_2
Flask Coating	

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Freezing
Procedure

NCI-H460 cells are grown in 100 cm² flasks until they reach 80-90% confluency. Cells are then trypsinized and resuspended in 10 ml of freezing medium (DMEM supplemented with 10% FBS and 10% DMSO). The cell suspension is then aliquoted into 1 ml vials and frozen at -78°C.

Shipping
Conditions

NCI-H460 cells are shipped in 10 ml vials of freezing medium, stored at -78°C.

Storage
Conditions

NCI-H460 cells can be stored at -78°C for up to 12 months. Cells should be thawed slowly in a 37°C water bath and then resuspended in DMEM supplemented with 10% FBS.

NCI-H460 cells are grown in 100 cm² flasks

Sterility

NCI-H460 cells are grown in 100 cm² flasks. Cells are then trypsinized and resuspended in 10 ml of freezing medium (DMEM supplemented with 10% FBS and 10% DMSO). The cell suspension is then aliquoted into 1 ml vials and frozen at -78°C.

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