

NCI-H520 | 305063

General information

Description	Cell line derived from a human lung adenocarcinoma in 1982 by Dr. A.F. Gazdar. The cells are highly tumorigenic and grow as epithelial sheets.
Organism	Human
Tissue	Lung
Disease	Adenocarcinoma
Synonyms	NCI-H520, H-520, NCI-HUT-520, NCIH520

Characteristics

Gender	Male
Ethnicity	Chinese
Morphology	Epithelial
Growth properties	Adherent

Documentation

Citation	NCI-H520 (Cytion 305063)
Biosafety level	1
NCBI_TaxID	9606
CellSaurusAccession	CVCL_1566

Genetic information

Tumorigenic	Yes, 7/7 (100%)
-------------	-----------------

References

NCI-H520 | 305063

Culture Medium

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

Supplements

10% FBS

Dissociation Reagent

Trypsin

Doubling time

32-60 days

Subculturing

Cells are grown in flasks. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks. Media is replaced every 3-5 days.

Split ratio

1:3-1:4

Fluid renewal

2-3 times per week

Freeze medium

Cells are frozen in FBS + 10% DMSO.

Thawing and Culturing Cells

1. Cells are thawed in a water bath at 37°C.
2. Cells are centrifuged at 300 x g for 3 minutes.
3. Cells are resuspended in medium and seeded into flasks.
4. Media is replaced every 3-5 days.
5. Cells are grown in flasks.
6. Cells are trypsinized and seeded into new flasks.
7. Media is replaced every 3-5 days.
8. Cells are grown in flasks.

Incubation Atmosphere

37°C, 5% CO_2

NCI-H520 | 305063

Flask Coating

Coated

Freezing Procedure

Seal the vial with a cap and freeze at -78°C.

Shipping Conditions

Store at -78°C.

Storage Conditions

Store at -150 to -196 °C.

Sterility

PCR and other applications.

For more information, please contact us.

STR

Amelogenin: X,X
CSF1PO: 10
D13S317: 10,11
D16S539: 13
D5S818: 12,13
D7S820: 8,12
TH01: 10
TPOX: 8
vWA: 18,19
D3S1358: 16
D21S11: 30
D18S51: 17
Penta E: 5,14
Penta D: 13
D8S1179: 14, 16, 17
FGA: 22
D1S1656: 14,16.3
D6S1043: 12,18
D2S1338: 18,23
D12S391: 21
D19S433: 13,14