

NCI-H522 | 305279

General information

Description	NCI-H522 is a cell line derived from a primary tumor of a patient with non-small cell lung cancer (NSCLC). The cell line is characterized by its ability to grow in suspension and its sensitivity to various chemotherapeutic agents. NCI-H522 is a cell line derived from a primary tumor of a patient with non-small cell lung cancer (NSCLC). The cell line is characterized by its ability to grow in suspension and its sensitivity to various chemotherapeutic agents.
Organism	Human
Tissue	Lung
Disease	Non-small cell lung cancer
Synonyms	NCI.H522, H522, H-522, NCI-522, NCI522, NCIH522

Cell characteristics

Age	58 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Adherent

Cell culture conditions

Citation	NCI-H522 (Cytion 305279)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1567

Cell culture media

Product sheet

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Mutational profile TP53, p.Pro191fs*56 (c.571delC),

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

Supplements 10% FBS, w: 4.5 g/L , w: 10 mM HEPES, w: 1 mM , w: 1.5 g/L NaHCO₃

Dissociation Reagent

Subculturing Cells are maintained in 100% RPMI 1640 medium supplemented with 10% FBS in T25, 3-5 flasks. Cells are passaged every 3-4 days. Cells are seeded into new flasks at a density of 1:3 or 1:6.

Split ratio 1:3 or 1:6

Fluid renewal 2-3 times per week

Freeze medium RPMI 1640 medium supplemented with 10% FBS + 10% DMSO

Thawing and Culturing Cells

1. Cells are thawed in a water bath at 37°C. Cells are then seeded into a new flask with 100% RPMI 1640 medium supplemented with 10% FBS.
2. Cells are allowed to attach for 24 hours. Cells are then passaged into a new flask at a density of 1:3 or 1:6.
3. Cells are maintained in 100% RPMI 1640 medium supplemented with 10% FBS in T25, 3-5 flasks. Cells are passaged every 3-4 days.
4. Cells are seeded into new flasks at a density of 1:3 or 1:6.
5. Cells are allowed to attach for 24 hours. Cells are then passaged into a new flask at a density of 1:3 or 1:6.
6. Cells are maintained in 100% RPMI 1640 medium supplemented with 10% FBS in T25, 3-5 flasks. Cells are passaged every 3-4 days.
7. Cells are seeded into new flasks at a density of 1:3 or 1:6.
8. Cells are allowed to attach for 24 hours. Cells are then passaged into a new flask at a density of 1:3 or 1:6.

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Incubation
Atmosphere

37°C, 5%_{CO2}, humidified air

Flask Coating

None

Freezing
Procedure

Seal the vial with a rubber stopper and freeze at -78°C

Shipping
Conditions

Seal the vial with a rubber stopper and ship at -78°C

Storage
Conditions

Store at -150 to -196 °C in a dry ice storage container

NCI-H522 is a cell line

Sterility

NCI-H522 is a cell line that is not PCR confirmed. The cell line is not certified to be free of mycoplasma contamination. The cell line is not certified to be free of other contaminants.