

Product sheet

NCI-H520 | 305063

General Information

Description	Cell line derived from a patient with adenocarcinoma of the lung, established in 1982 by A.F. Gazdar.
Organism	Human
Tissue	Lung
Disease	Adenocarcinoma
Synonyms	NCI-H520, H-520, NCI-HUT-520, NCIH520

Characteristics

Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Adherent

References and Safety

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

Genetic and Tumorigenicity

Tumorigenic	Yes, 7/7 (100%)
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Additional Information

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

Supplements 10% FBS

Dissociation Reagent

Doubling time 32-60

Subculturing 1-3 \times 10⁵ cells per flask in 10 ml RPMI 1640 + 10% FBS. Seed into T25, 75 cm² flasks or 3-5 \times 10⁶ cells per flask in 100 cm² flask.

Fluid renewal 2-3 times per week

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

Thawing and Culturing Cells

1. Thaw cells quickly in a 37°C water bath.
2. Centrifuge cells at 300 x g for 3 minutes.
3. Resuspend cells in 10 ml RPMI 1640 + 10% FBS.
4. Seed cells into a T25 flask at 70% confluency.
5. Incubate cells in a 37°C incubator with 5% CO₂.
6. Monitor cell growth and passage when cells reach 70-80% confluency.
7. Harvest cells by trypsinization into T25 flasks.
8. Seed cells into new flasks at 10⁵ cells per flask.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating

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Freezing Procedure [REDACTED] -78°C

Shipping Conditions [REDACTED] -78°C

Storage Conditions [REDACTED] -150 to 196

[REDACTED] / [REDACTED] / HLA

Sterility [REDACTED]
[REDACTED]