

Product sheet

NCI-H520 | 305063

General Information

Description	Cell line established in 1982 from a patient with adenocarcinoma of the colon. A.F. Gazdar
Organism	Human
Tissue	Colon
Disease	Adenocarcinoma of the colon
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 Information

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, 1:3-1:4, T25, 3-5, 1:3-1:4

Split ratio 1:3-1:4

Fluid renewal 2-3

Freeze medium (FBS) + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells rapidly in a 37°C water bath.
 2. Centrifuge cells at 300 x g for 3 minutes.
 3. Resuspend cells in 15 ml of fresh medium.
 4. Seed cells into a T25 flask at 70% confluency.
 5. Incubate cells for 15-18 hours.
 6. Harvest cells for analysis.
 7. Seed cells into a T25 flask at 10% confluency.
 8. Incubate cells for 24-48 hours.

Incubation Atmosphere 37°C, 5% CO₂

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Flask Coating

Freezing Procedure -78°C

Shipping Conditions -78°C

Storage Conditions -150 °C 196 °C

STR / HLA

Sterility

- 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