

Product sheet

NCI-H524 | 305120

General information

Description	Cell line derived from a 63-year-old male patient with a primary tumor of the colon, metastasizing to the liver and lung. The cell line was established in 1982 and is characterized by its ability to form colonies in soft agar and its sensitivity to various chemotherapeutic agents.
Organism	Human
Tissue	Colon
Disease	Colorectal adenocarcinoma
Metastatic site	Liver, Lung
Synonyms	NCI-H524, H-524, NCIH524

Cell characteristics

Age	63 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Adherent

Cell line identification

Citation	NCI-H524 (Cell Line) Cytion 305120
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1568

Cell line availability

Notes

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

Supplements 10% FBS

Doubling time 100

Subculturing 5-6 / 5×10^5 - 1×10^6 cells

Split ratio 1×10^5 - 1×10^6 cells

Fluid renewal 2-3 times

Freeze medium 10% FBS + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells quickly in a water bath at 37°C.
2. Add cells to a pre-warmed medium.
3. Seed cells into a well of a 96-well plate.
4. Incubate cells for 24-48 hours.
5. Add fresh medium.
6. Harvest cells for analysis.
7. Repeat the process for subsequent passages.
8. Store cells in liquid nitrogen.

Incubation Atmosphere 37°C, 5% CO_2

Flask Coating No

Freezing Procedure Freeze cells in liquid nitrogen

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Shipping
Conditions

Store at -78°C

Storage
Conditions

Store at -150 to -196 °C

Genotyping

Sterility

PCR
No

STR

- Amelogenin: x,x
- CSF1PO: 12
- D13S317: 12
- D16S539: 12
- D5S818: 12
- D7S820: 11,12
- TH01: 8,9,3
- TPOX: 8,1
- vWA: 14,17
- D3S1358: 15
- D21S11: 29,3
- D18S51: 12,13
- Penta E: 5,15
- Penta D: 12,13
- D8S1179: 13,15
- FGA: 21,25
- D6S1043: 11,13
- D2S1338: 16,17
- D12S391: 16,21
- D19S433: 16