# NCI-H322

305839

## GENERAL INFORMATION

**Description**

NCI-H322 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ (NSCLC) □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ NCI-Navy Medical Oncology Branch □□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□NCI-H322 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ RPMI-1640 □□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□ 10% □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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**Synonyms**

- H322
- H-322
- H322T
- NCI-H322T
- NCIH322T
- NCI-322
- NCIH322

## CLASSIFICATION

| | |
|---|---|
| **Organism** | Human |
| **Sex** | Male |
| **Growth properties** | Adherent |
| **Biosafety level** | 1 |

## CHARACTERISTICS

| | |
|---|---|
| **Cell type** | □□□□□□□□□□ |

| | |
|---|---|
| **Doubling time** | 50 |

## IDENTIFIERS

### Citation

NCI-H322 (หมาย □ลบแคตตาล็อก Cytion 305839)

| | |
|---|---|
| **NCBI TaxID** | 9606 |
| **Cellosaurus** | CVCL_1556 |

## EXPRESSION AND SUSCEPTIBILITY

### Mutational profile

การกลายพันธุ์ : TP53, แบบง่าย , p.Arg248Leu (c.743G>T), ชนิดโฮโมไซโกต (PubMed=1311061, PubMed=1565469, PubMed=10536175, PubMed=20557307)

## HANDLING AND CULTURE

### Culture medium

RPMI 1640, w: 2.0 mM กลูตามีน □สถียร , w: 2.0 กรัม /ลิตร NaHCO3 (หมาย □ลบบทความ Cytion 820700a)

| | |
|---|---|
| **Incubation atmosphere** | 37°C, 5%CO2, บรรยากาศชื้น |

### Supplements

□ติมอาหาร □ลี้ยง □ชื้อด้วย FBS 10%

| | |
|---|---|
| **Dissociation reagent** | แอคคู □ทส |

### Thawing and culturing

Confirm that the vial remains deeply frozen upon delivery, as cells are shipped on dry ice to maintain optimal temperatures during transit.
Upon receipt, either store the cryovial immediately at temperatures below -150°C to ensure the preservation of cellular integrity, or proceed to step 3 if immediate culturing is required.
For immediate culturing, swiftly thaw the vial by immersing it in a 37°C water bath with clean water and an antimicrobial agent, agitating gently for 40-60 seconds until a small ice clump remains.
Perform all subsequent steps under sterile conditions in a flow hood, disinfecting the cryovial with 70% ethanol before opening.
Carefully open the disinfected vial and transfer the cell suspension into a 15 ml centrifuge tube containing 8 ml of room-temperature culture medium, mixing gently.
Centrifuge the mixture at 300 x g for 3 minutes to separate the cells and carefully discard the supernatant containing residual freezing medium.
Gently resuspend the cell pellet in 10 ml of fresh culture medium. For adherent cells, divide the suspension between two T25 culture flasks; for suspension cultures, transfer all the medium into one T25 flask to promote effective cell interaction and growth.
Adhere to established subculture protocols for continued growth and maintenance of the cell line, ensuring reliable experimental outcomes.

## QUALITY CONTROL AND CRYOPRESERVATION

### Sterility

การปน □ปื้อนของไมโคพลาสมาถูกตัดออกโดยใช้ทั้งการทดสอบแบบ PCR และการตรวจหาไมโคพลาสมาโดยใช้วิธีการ □รืองแสง
□พื่อให้แน่ใจว่าไม่มีการปน □ปื้อนของแบคที □รีย □ชื้อรา หรือยีสต์ การ □พาะ □ลี้ยง □ซลล์จะถูกตรวจสอบด้วยสายตาทุกวัน

Cytion GmbH
Nikola-Tesla-Str. 3
69124 Heidelberg
Tel: +49 (0)6221 405780
info@cytion.com
cytion.com

Registered office Heidelberg
VAT ID: DE283292917
Local court Mannheim - HRB 714394
CEO / Geschäftsführer: Jonathan Steubing

Banking information
Sparkasse Heidelberg
IBAN: DE35 6725 0020 0009 2076 86
BIC: SOLADES1HDB

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| | |
|---|---|
| **Freeze medium** | [illegible] [illegible] [illegible] ([illegible] FBS) + 10% DMSO [illegible] [illegible] CM-1 ([illegible] [illegible] Cytion 800100) [illegible] |

**Storage conditions**

[illegible] [illegible] −150 [illegible] −196 °C [illegible] −80 °C [illegible]

**Shipping conditions**

[illegible] [illegible] −78 °C [illegible] [illegible] [illegible]

## DONOR

| | |
|---|---|
| **Donor age** | 52 [illegible] |
| **Ethnicity** | [illegible] |

## LEGAL AND SAFETY

**Safety precautions**

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

**Disclaimer**

[illegible] [illegible] [illegible] [illegible]

**Warranty**

[illegible]Cytion [illegible]
[illegible]
60 [illegible]
[illegible]
[illegible] [illegible]/[illegible]
[illegible] [illegible]
<a href=""/Who-we-are/Warranty/"" hreflang=""x-default"">[illegible].

| | |
|---|---|
| **Material Transfer Agreement required** | Yes |