

NCI-H441 | 305219

General information

Description	NCI-H441, H441, 1982 NCI-H441 NCI-H441 NCI-H441
Organism	
Tissue	
Disease	
Metastatic site	
Synonyms	H441, H-441, NCI-H441-4, NCI-441, NCIH441

Characteristics

Age	33
Gender	
Ethnicity	
Cell type	
Growth properties	

Identification

Citation	NCI-H441 (Cytion 305219)
Biosafety level	1
NCBI_TaxID	9606

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Thawing and Culturing Cells

1. Thaw the vial rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a pre-warmed flask containing 10-15 mL of medium. Incubate at 37°C with 5% CO₂.
3. Monitor the cells for attachment and growth. Change the medium when the cells reach 70-80% confluency.
4. Harvest the cells by trypsinization. Seed into a new flask with fresh medium.
5. Repeat the process for subsequent passages.
6. For long-term storage, harvest cells and resuspend in freezing medium. Store at -150°C.
7. Thaw the cells and seed into a new flask with fresh medium.
8. Verify the cell identity and purity.

Incubation Atmosphere

37°C, 5% CO₂, humidified air

Flask Coating

Not required

Freezing Procedure

Resuspend cells in freezing medium and store at -78°C.

Shipping Conditions

Store at -78°C during shipping.

Storage Conditions

Store at -150°C for up to 196 weeks.

Genotype / HLA

Sterility

Cells are tested for mycoplasma contamination. PCR testing is performed. Sterility is confirmed.

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STR

Amelogenin: x,y
CSF1PO: 11,12
D13S317: 9
D16S539: 9,13
D5S818: 11,12
D7S820: 10
TH01: 9,3
TPOX: 8,1
vWA: 17
D3S1358: 18
D21S11: 32,2
D18S51: 18,19
Penta E: 12
Penta D: 10,12
D8S1179: 8,14
FGA: 24,25