

**NCI-H441 | 305219**

**NCI-H441**

**Description**  
NCI-H441, H441, 1982  
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**Organism**

**Tissue**

**Disease**

**Metastatic site**

**Synonyms** H441, H-441, NCI-H441-4, NCI-441, NCIH441

**NCI-H441**

**Age** 33

**Gender**

**Ethnicity**

**Cell type**

**Growth properties**

**NCI-H441**

**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% CO<sub>2</sub>.
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 -80°C.
7. Thaw the cells and seed into a new flask with fresh medium.
8. Perform a control experiment to ensure cell viability and growth characteristics.

Incubation Atmosphere

37°C, 5% CO<sub>2</sub>, humidified air

Flask Coating

None

Freezing Procedure

Resuspend cells in freezing medium and store at -80°C.

Shipping Conditions

Store at -80°C during shipping.

Storage Conditions

Store at -80°C for up to 196 days.

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