

Product sheet

NCI-H358 | 300430

NCI-H358 - H358

Protein expression UGT -, GST +, PST +, p53 -

Tumorigenic Yes, tumorigenic in mice

Mutational profile P53 mutation (G105S)

NCI-H358

Culture Medium RPMI 1640, w: 2.0 mM Glucose, w: 2.0 g/L NaHCO3 (Cytion 820700a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Cells are grown in RPMI 1640 medium supplemented with 10% FBS. Cells are passaged into fresh medium every 3-5 days. Cells are grown in T25 flasks.

Freeze medium RPMI 1640 medium supplemented with 10% FBS + 10% DMSO

NCI-H358 | 300430

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. Once the cells have attached, replace the medium with fresh pre-warmed medium.
4. Monitor the cell growth and passage when they reach 70-80% confluency.
5. Pass the cells into a new flask with 15 mL of medium. Split ratio 1:8.
6. Seed the cells into a flask containing 300 x g of cells. Split ratio 1:3.
7. Seed the cells into a flask containing 10 x g of cells. Split ratio 1:10.
8. Seed the cells into a flask containing 10 x g of cells. Split ratio 1:10.

Incubation Atmosphere 37°C, 5% CO₂, humidified air

Flask Coating None

Freezing Procedure Harvest cells into a vial containing 1 mL of freezing medium. Freeze at -80°C.

Shipping Conditions Ship at -80°C.

Storage Conditions Store at -150°C for up to 196 weeks.

Genotype / HLA

Sterility The cells are free of mycoplasmas and PCR detectable agents.

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STR

Amelogenin: x,y
CSF1PO: 11,12
D13S317: 8,12
D16S539: 12,13
D5S818: 10,12
D7S820: 10,11
TH01: 6
TPOX: 8,9
vWA: 17
D3S1358: 14,18
D21S11: 28,3
D18S51: 14
Penta E: 18
Penta D: 10,13
D8S1179: 13,14
FGA: 20,21