

NCI-H838 | 305097

General information

Description	Cell line derived from a 59-year-old male patient with a primary tumor of the lung, histologically confirmed as adenocarcinoma. The cell line was established in 1984 and is maintained in DMEM/F12 medium supplemented with 10% FBS.
Organism	Human
Tissue	Lung
Disease	Adenocarcinoma
Metastatic site	Brain
Synonyms	NCI-H838, H-838, NCIH838

Cell line characteristics

Age	59 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Adherent

Cell line identification

Citation	NCI-H838 (Cell Line) Cytion 305097
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1594

Cell line availability

Cell line status

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

Supplements 10% FBS

Dissociation Reagent Trypsin

Doubling time 55 h

Subculturing Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS. Cells are harvested by trypsinization and resuspended in PBS. Cells are seeded into new flasks at a density of 1-3 x 10⁵ cells per flask. Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS.

Split ratio 1:3 to 1:4

Fluid renewal 2-3 times per week

Freeze medium RPMI 1640 medium supplemented with 10% FBS and 10% DMSO (Cytion 820700a) + 10% DMSO (Cytion 820700a) + 10% FBS (Cytion 820700a)

Thawing and Culturing Cells

1. Cells are thawed in a water bath at 37°C and resuspended in RPMI 1640 medium supplemented with 10% FBS.
2. Cells are seeded into new flasks at a density of 1-3 x 10⁵ cells per flask.
3. Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS.
4. Cells are harvested by trypsinization and resuspended in PBS.
5. Cells are seeded into new flasks at a density of 1-3 x 10⁵ cells per flask.
6. Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS.
7. Cells are harvested by trypsinization and resuspended in PBS.
8. Cells are seeded into new flasks at a density of 1-3 x 10⁵ cells per flask.

Incubation Atmosphere 37°C, 5% CO₂, humidified

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Flask Coating

Flask Coating

Freezing Procedure

Freezing Procedure: The cells are seeded into 24-well plates and grown to confluence. The medium is removed, and the cells are washed with PBS. The cells are then trypsinized and resuspended in freezing medium. The suspension is then aliquoted into 1 ml vials and frozen at -78°C.

Shipping Conditions

Shipping Conditions: The cells are shipped on dry ice at -78°C.

Storage Conditions

Storage Conditions: The cells are stored at -150 to -196 °C in liquid nitrogen.

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Sterility

Sterility: The cells are tested for sterility using PCR and microscopy. The results show that the cells are free of contamination.