

Product sheet

NCI-H1437 | 305110

General information

Description	Human cell line established in 1986 from a patient with a malignant melanoma.
Organism	Human
Tissue	Melanoma
Disease	Melanoma
Metastatic site	Metastatic melanoma
Synonyms	NCI-H1437, H-1437, NCIH1437

Cell characteristics

Age	60 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Adherent

Cell line identification

Citation	NCI-H1437 (Cytion 305110)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1472

Cell line availability

Notes

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Culture Medium RPMI 1640, w: 2.0 mM NaCl , w: 2.0 g/L NaHCO_3 (Cytion 820700a)

Supplements 10% FBS

Dissociation Reagent

Doubling time 44

Subculturing Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks. The medium is replaced with fresh medium containing 10% FBS.

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)

Thawing and Culturing Cells

1. Thaw cells quickly in a water bath at 37°C. Transfer cells to a sterile tube and add 10 ml of RPMI 1640 medium supplemented with 10% FBS.
2. Centrifuge cells at 300 x g for 5 minutes. Remove the supernatant and resuspend the pellet in 10 ml of RPMI 1640 medium supplemented with 10% FBS.
3. Seed cells into a 25 cm² flask. Incubate at 37°C in 5% CO_2 .
4. After 24 hours, replace the medium with fresh RPMI 1640 medium supplemented with 10% FBS.
5. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks.
6. The medium is replaced with fresh medium containing 10% FBS.
7. Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS.
8. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks.

Incubation Atmosphere 37°C, 5% CO_2 , humidified

Flask Coating No coating

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Freezing
Procedure

1. Harvest cells and wash with PBS. 2. Count cells and resuspend in freezing medium. 3. Aliquot into 1 ml vials. 4. Freeze at -80°C.

Shipping
Conditions

1. Ship on dry ice. 2. Store at -80°C.

Storage
Conditions

1. Store at -150 to -196°C.

NCI-H1437 cells are available in two formats:

Sterility

1. Cells are tested for mycoplasma contamination. 2. Cells are tested for endotoxin contamination. 3. Cells are tested for PCR contamination.