

NCI-H2452 | 300391

General information

Description	NCI-H2452 is a human melanoma cell line. It is derived from a primary melanoma of a patient with a history of melanoma. The cell line is characterized by its high tumorigenicity and its ability to form melanin pigment. It is a highly metastatic cell line and is used as a model for studying melanoma biology and for testing anti-melanoma drugs. NCI-H2452 is a melanoma cell line (CAR) CD46, which is a highly tumorigenic cell line. It is derived from a primary melanoma of a patient with a history of melanoma. The cell line is characterized by its high tumorigenicity and its ability to form melanin pigment. It is a highly metastatic cell line and is used as a model for studying melanoma biology and for testing anti-melanoma drugs.
Organism	Human
Tissue	Melanoma
Disease	Melanoma
Synonyms	NCI-H2452, H-2452, NCIH2452

Cellular characteristics

Age	Adult
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Adherent

Cellular characteristics

Citation	NCI-H2452 (NCI) Cytion 300391
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1553

Cellular characteristics

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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 Trypsin

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 changed every 3-5 days.

Freeze medium RPMI 1640 medium supplemented with 10% FBS and 10% DMSO. Cells are seeded into cryovials and frozen at -80°C.

Thawing and Culturing Cells

1. Thaw cells rapidly in a water bath at 37°C.
2. Add 10 ml of RPMI 1640 medium supplemented with 10% FBS to the vial.
3. Centrifuge at 300 x g for 5 minutes.
4. Remove the supernatant and resuspend the cells in 1 ml of RPMI 1640 medium supplemented with 10% FBS.
5. Seed cells into a 25 cm² flask.
6. Incubate at 37°C in 5% CO_2 .
7. Change the medium every 3-5 days.
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 None

Freezing Procedure Cells are seeded into cryovials and frozen at -80°C.

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Shipping
Conditions

Store at -78°C

Storage
Conditions

Store at -150 to -196°C

NCI-H2452

Sterility

PCR ready
No mycoplasma contamination

STR

Amelogenin: x,y
CSF1PO: 11,12
D13S317: 12
D16S539: 11,13
D5S818: 11,12
D7S820: 9,11
TH01: 6,9.3
TPOX: 8,11
vWA: 17,18
D3S1358: 17
D21S11: 28,32.2
D18S51: 15
Penta E: 12:15
Penta D: 9
D8S1179: 10
FGA: 23
D6S1043: 11,12
D2S1338: 20
D12S391: 17.3,21
D19S433: 13
PEZ6: Wilms10T