

Product sheet

NCI-H146 | 300182

General Information

Description	NCI-H146 cell line established by A.F. Gazdar in 1979 from a patient with metastatic melanoma.
Organism	Human
Tissue	Melanoma
Disease	Melanoma
Metastatic site	Metastatic
Synonyms	H146, H-146, NCIH146

Cell Line Characteristics

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

References and Accession

Citation	NCI-H146 (ATCC CCL-146) Cytion 300182
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1473

Additional Information

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Receptors expressed	IGF II (IGF II)
Protein expression	
Antigen expression	L-DOPA
Isoenzymes	G6PD, B, PGM1, 1-2, PGM3, 1-2, ES-D, 1, Me-2, 2, AK-1, 1, GLO-1, 1, = 0.0009
Tumorigenic	
Products	mRNA c-myc, DNA c-myc
Ploidy status	
MSI-status	(MSS)
Karyotype	68, 66, 70-71
Characteristics	
Culture Medium	RPMI 1640, w: 2.0 mM, w: 2.0 g/L NaHCO3 (Cytion 820700a)
Supplements	10% FBS
Subculturing	
Seeding density	1×10^5 cells/cm ²
Fluid renewal	2-3 times
Post-Thaw Recovery	24-48 hours
Freeze medium	(FBS) + 10% DMSO

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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% CO₂.
3. Once the cells have attached, replace the medium with fresh pre-warmed medium. Change the medium every 2-3 days.
4. Harvest cells when they reach 70-80% confluency.
5. Seed cells into a new flask at a density of 15 x 10⁴ cells per flask.
6. Seed cells into a flask containing 300 x g of cells.
7. Seed cells into a flask containing 10 x 10⁴ cells.
8. Seed cells into a flask containing 10 x 10⁴ cells.

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

Flask Coating None

Freezing Procedure Harvest cells at 70-80% confluency and freeze in a cryovial with 1 mL of freezing medium. Store at -80°C.

Shipping Conditions Ship at -80°C in a dry ice container.

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

NCI-H146 / HLA

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

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HLA

A*: '01:01:01, '03:01:01

B*: 14:02:01, 44:03:01

C*: 08:02:01, 16:01:01

DRB1*: 08:01:01, 15:01:01G

DQA1*: '01:02:01, '04:01:01

DQB1*: 04:02:01, 06:02:01

DPB1*: '02:01:02, '05:01:01

E: 01:01:01