

NCI-H69 | 300185

General information

Description	Human cell line derived from a patient with metastatic melanoma, established in 1971. It is a highly tumorigenic, clonally derived cell line that grows in suspension and adherent culture. The cell line is characterized by its ability to form large, multinucleated cells and its high tumorigenicity in nude mice. It is a highly tumorigenic, clonally derived cell line that grows in suspension and adherent culture. The cell line is characterized by its ability to form large, multinucleated cells and its high tumorigenicity in nude mice.
Organism	Human
Tissue	Melanoma
Disease	Melanoma
Metastatic site	Metastatic melanoma
Synonyms	NCI-H-69, NCI H69, H69, H-69, NCIH69, NCI-HUT-69, H69/P, NCI-H69C, H69C, H69c

Subject information

Age	55 years
Gender	Male
Ethnicity	White
Growth properties	Adherent, suspension

Identification and classification

Citation	NCI-H69 (H69) (ATCC CCL-1579) Cytion 300185
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1579

Genetic and molecular characteristics

Receptors expressed	IGF II
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NCI-H69 | 300185

Protein expression	P53 XXXXXXXXXX , XXXXXXXXXXXX XXXXXXXXXX
Isoenzymes	G6PD, B, PGM1, 2, PGM3, 1, ES-D, 2, Me-2, 1, AK-1, 1, GLO-1, 1-2, XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX 0.00006
Tumorigenic	XXXXXXXXXX XXXXXXXXXX XX XXXXXXXXXXXXXX XXXXXXXXXXXX XX XXXXXXXXXXXX XX XXXXXX XXXXXXXXXX
Karyotype	XXXXXXXXXXXXXX , XX XXXXXXXXXX XX 3p. XXXXXX = 40 XX 73
XXXXXXXXXX	
Culture Medium	RPMI 1640, w: 2.0 mM XXXXXXXXXXXX XXXXXX , w: 2.0 g/L NaHCO3 (XXXXXX XXXXXXXXXXXX XX Cytion 820700a)
Supplements	XXXXXX XXXXXXXXXX 10% FBS
Doubling time	69 XXXXXX
Subculturing	XXXXXX XXXXXXXXXXXX XXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX , XXXXXX XXXXXX XX XXXXXXXXXXXX XXXXXXXXXXXX . XXXXXX XXXXXX XXXXXX , XXXXXX XX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX
Split ratio	XXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXX XX 1:2 XX 1:4
Seeding density	1 x 10 ⁵ XXXXXX / XX ' XX
Fluid renewal	2 XX 3 XXXXXXXXXX XXXXXXXXXXXX
Post-Thaw Recovery	XXXXXX XXXXXXXXXXXX , XX XXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX 24 XXXXXX XXXXXXXXXX
Freeze medium	XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX , XXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXX (XXXXXX FBS) + 10% DMSO XXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX , XXXXXX XXXXXXXXXXXX

NCI-H69 | 300185

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 medium in a 150 cm² flask at a density of 1.5 x 10⁶ cells per flask. Incubate at 37°C with 5% CO₂.
3. Once the cells have reached confluence, passage them into a 375 cm² flask at a density of 3 x 10⁶ cells per flask.
4. When the cells reach confluence again, passage them into a 750 cm² flask at a density of 70% confluence.
5. Once the cells reach confluence, passage them into a 1500 cm² flask at a density of 15 x 10⁶ cells per flask.
6. When the cells reach confluence, passage them into a 3000 cm² flask at a density of 3 x 10⁷ cells per flask.
7. Once the cells reach confluence, passage them into a 10 x 10" flask at a density of 10 x 10⁶ cells per flask.
8. Once the cells reach confluence, passage them into a 10 x 10" flask at a density of 10 x 10⁶ cells per flask.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Harvest cells into a 150 cm² flask at 70% confluence. Wash with PBS. Add 10 ml of freezing medium. Harvest into a 15 ml vial. Freeze at -80°C.

Shipping Conditions Ship at -80°C.

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

NCI-H69 / HLA

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

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STR

CSF1PO: 10,12
D13S317: 12
D16S539: 11
D5S818: 11,13
D7S820: 9
TH01: 8,9
TPOX: 10
vWA: 16,17
D3S1358: 16
D21S11: 30,31.2
D18S51: 12
Penta E: 12
Penta D: 9,11
D8S1179: 13
FGA: 24

HLA

A*: '02:01:01, '23:01:01
B*: '01:01:01, '01.02.1900 03:01
C*: 07:01:01, 14:02:01
DRB1*: 04:04:01, 04:05:01
DQA1*: 03:01:01, 03:03:01
DQB1*: 03:02:01
DPB1*: '01:01:01G, '03:01:01G
E: 01:01:01