

Product sheet

NCI-H596 | 305277

General Information

Description	NCI-H596 is a cell line derived from a patient with a melanocytic nevus. It is a highly tumorigenic cell line that grows in soft agar and is capable of forming xenografts in immunodeficient mice. The cell line is characterized by its ability to form large, invasive nodules in the lungs of mice. NCI-H596 is a highly tumorigenic cell line that grows in soft agar and is capable of forming xenografts in immunodeficient mice. The cell line is characterized by its ability to form large, invasive nodules in the lungs of mice.
Organism	Human
Tissue	Melanocytic nevus
Disease	Melanoma
Synonyms	H596, H-596, NCI-HUT-596, NCIH596

Characteristics

Age	73
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Adherent

Identification

Citation	NCI-H596 (NCI-H596) Cytion 305277
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1571

Additional Information

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Tumorigenic Yes, in vivo and in vitro

Mutational profile PIK3CA, p.Glu545Lys (c.1633G>A), RB1, p.Ser182fs*3 (c.541_542insT), TP53, TP53

NCI-H596

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

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Cells are cultured in RPMI 1640 medium supplemented with 10% FBS. Cells are passaged by trypsinization and seeding into fresh medium. Cells are typically passaged every 3-5 days.

Split ratio 1:4 to 1:8

Fluid renewal 2-3 times per week

Freeze medium RPMI 1640 medium supplemented with 10% 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 medium in a 150 cm² flask at a density of 1-1.5 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 1-1.5 x 10⁶ cells per flask.
4. Seed the cells into a 375 cm² flask at a density of 1-1.5 x 10⁶ cells per flask. Incubate at 37°C with 5% CO₂.
5. Once the cells have reached confluence, passage them into a 375 cm² flask at a density of 1-1.5 x 10⁶ cells per flask.
6. Seed the cells into a 375 cm² flask at a density of 1-1.5 x 10⁶ cells per flask. Incubate at 37°C with 5% CO₂.
7. Once the cells have reached confluence, passage them into a 375 cm² flask at a density of 1-1.5 x 10⁶ cells per flask.
8. Seed the cells into a 375 cm² flask at a density of 1-1.5 x 10⁶ cells per flask. Incubate at 37°C with 5% CO₂.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Shipping Conditions Store at -78°C

Storage Conditions Store at -150 to -196°C

Genotype / HLA

Sterility Sterility testing performed by PCR