

NCH644 | 300124

General information

Description

NCH644 is a human cell line derived from a 66-year-old male patient with metastatic melanoma. The cell line is characterized by its high growth rate and its ability to form colonies in soft agar. It is a highly tumorigenic cell line that is suitable for various in vitro and in vivo studies. The cell line is maintained in DMEM supplemented with 10% FBS. The cell line is characterized by its high growth rate and its ability to form colonies in soft agar. It is a highly tumorigenic cell line that is suitable for various in vitro and in vivo studies. The cell line is maintained in DMEM supplemented with 10% FBS.

Organism Human

Tissue Melanoma

Disease Melanoma

Characteristics

Age 66 years

Gender Male

Ethnicity Caucasian

Growth properties High growth rate, tumorigenic

Identification

Citation NCH644 (ATCC CCL-222) | Cytion 300124

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_x914

Antigen expression

Antigen expression CD133 positive

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Tumorigenic

Ploidy status

XXXXXX

Culture Medium

DMEM:Ham's F12 (1:1), w: 3.1 g/L , w: 2.5 mM L-, w: 15 mM HEPES, w: 0.5 mM , w: 1.2 g/L NaHCO3 820400a)

Supplements

10% FBS, 5 , 20 bFGF, 20 EGF, 5 , 100 , 5.2 Hydrocortison

Subculturing

Eppendorf 1000

Seeding density

2 x 10⁵

Fluid renewal

2 3

Post-Thaw Recovery

, 24 48

Freeze medium

-50% + 40% FBS + 10% DMSO, CM-1 (Cytion 800100),

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Thawing and Culturing Cells

1. Thaw the vial quickly in a 37°C water bath. Transfer the cells to a pre-warmed T25 flask containing 10 ml of complete DMEM medium.
2. Incubate the cells at 37°C in 5% CO₂ until they reach 70-80% confluency.
3. Seed the cells into a 96-well plate (100 µl per well) for high-throughput screening.
4. For larger scale culture, seed cells into a T75 flask (100 µl per well) for 70% confluency.
5. Seed cells into a T175 flask (150 µl per well) for 70% confluency.
6. Seed cells into a T25 flask (300 µl per well) for 70% confluency.
7. Seed cells into a T75 flask (100 µl per well) for 70% confluency.
8. Seed cells into a T175 flask (150 µl per well) for 70% confluency.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating Cell culture medium, 100 µl per well

Freezing Procedure Harvest cells into a 15 ml centrifuge tube, add 1 ml of freezing medium, and store at -80°C.

Shipping Conditions Store at -80°C, dry ice, 196 K.

Storage Conditions Store at -150°C, 196 K.

HEK293T / HEK293T / HLA

Sterility Sterile, PCR negative, mycoplasma free.