

Product sheet

NCI-H647 | 305130

General Information

Description
NCI-H647 is a cell line derived from a human melanoma. It is characterized by its ability to form colonies in soft agar and its sensitivity to various chemotherapeutic agents. The cell line is maintained in DMEM supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin. It is a highly proliferative cell line with a doubling time of approximately 48 hours. The cell line is derived from a 56-year-old male patient with a primary melanoma on the back. The tumor was resected and the cells were cultured in DMEM supplemented with 10% FBS and 1% penicillin-streptomycin. The cell line was established by serial dilution and single cell cloning. The cell line is characterized by its ability to form colonies in soft agar and its sensitivity to various chemotherapeutic agents. The cell line is maintained in DMEM supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin. It is a highly proliferative cell line with a doubling time of approximately 48 hours. The cell line is derived from a 56-year-old male patient with a primary melanoma on the back. The tumor was resected and the cells were cultured in DMEM supplemented with 10% FBS and 1% penicillin-streptomycin. The cell line was established by serial dilution and single cell cloning.

Organism Human

Tissue Melanoma

Disease Melanoma

Metastatic site Metastatic melanoma

Synonyms NCI-H647, H-647, H647ell, NCIH647

Cell Characteristics

Age 56 years

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Growth properties Adherent

References and Safety

Citation NCI-H647 (ATCC CCL-222) Cytion 305130

Biosafety level 1

NCBI_TaxID 9606

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Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating Cell culture

Freezing Procedure Harvest cells into 10-15 ml of freezing medium (10% FBS, 10% DMSO, 80% FBS) and freeze at -80°C

Shipping Conditions Ship at -78°C

Storage Conditions Store at -150 to -196 °C

ATCC / DSMZ / HLA

Sterility Sterility tested by PCR and confirmed negative

- STR: Amelogenin: x,x
- CSF1PO: 10
- D13S317: 9,11
- D16S539: 9
- D5S818: 12
- D7S820: 10
- TH01: 6,9,3
- TPOX: 11
- vWA: 17
- D3S1358: 17
- D21S11: 28,32.2
- D18S51: 12:15
- Penta E: 7
- Penta D: 12,13
- D8S1179: 11,13
- FGA: 22,24
- D6S1043: 18,2
- D2S1338: 17,25
- D12S391: 23
- D19S433: 14