

Product sheet

NCI-H716 | 305079

General Information

**Description** NCI-H716 is a cell line derived from a 33-year-old male patient with metastatic melanoma. The cell line is characterized by its ability to form colonies in soft agar and its sensitivity to various chemotherapeutic agents. It is a highly tumorigenic cell line that has been extensively used in preclinical studies to evaluate the efficacy of novel anticancer drugs.

**Organism** Human

**Tissue** Melanoma

**Disease** Metastatic melanoma

**Metastatic site** Metastatic

**Synonyms** NCI H716, NCI-H716, H-716, NCIH716

Cell Characteristics

**Age** 33 years

**Gender** Male

**Ethnicity** Caucasian

**Morphology** Epithelial

**Growth properties** Adherent, growing in monolayers

Identification

**Citation** NCI-H716 (ATCC CCL-1581) | Cytion 305079

**Biosafety level** 1

**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_1581

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NCI-H716 - NCI-H716

NCI-H716

**Culture Medium** RPMI 1640, w: 2.0 mM  $\beta$ -mercaptoethanol, w: 2.0 g/L NaHCO<sub>3</sub> (Cytion 820700a)

**Supplements** 10% FBS

**Doubling time** 50 hours

**Subculturing** 1:5

**Seeding density**  $> 3 \times 10^5$  cells/cm<sup>2</sup>

**Fluid renewal** 1:1

**Freeze medium** RPMI 1640, w: 2.0 mM  $\beta$ -mercaptoethanol, w: 2.0 g/L NaHCO<sub>3</sub> (Cytion 820700a) + 10% FBS + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw the cells in a 37°C water bath.
  2. Centrifuge the cells at 300 x g for 3 minutes.
  3. Wash the cells with PBS.
  4. Resuspend the cells in fresh medium.
  5. Seed the cells into a 15 cm<sup>2</sup> flask.
  6. Incubate the cells at 37°C in 5% CO<sub>2</sub>.
  7. Monitor the cell growth.
  8. Harvest the cells when they reach 70-80% confluency.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>

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Flask Coating

NCI-H716 cells are adherent and require a cell culture flask coated with tissue culture treated polystyrene.

Freezing Procedure

NCI-H716 cells are frozen in a freezing medium containing 10% FBS and 10% DMSO. The cells are frozen at -78°C.

Shipping Conditions

NCI-H716 cells are shipped in a freezing medium containing 10% FBS and 10% DMSO. The cells are shipped at -78°C.

Storage Conditions

NCI-H716 cells are stored in a freezing medium containing 10% FBS and 10% DMSO at -150 °C for up to 196 days.

NCI-H716 / HLA

Sterility

NCI-H716 cells are tested for sterility using PCR and are found to be free of mycoplasma contamination. The cells are also tested for mycoplasma contamination and are found to be free of mycoplasma contamination.