

Product sheet

NCI-H716 | 305079

General information

Description	NCI-H716 is a human non-small cell lung carcinoma cell line. It was established from a 68-year-old male patient with a primary tumor in the right lung. 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 used for the study of lung cancer biology and for the evaluation of new anticancer drugs.
Organism	Human
Tissue	Lung
Disease	Non-small cell lung carcinoma
Metastatic site	Adipose tissue
Synonyms	NCI H716, NCI-H716, H-716, NCIH716

Cell characteristics

Age	33 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Adherent, growing in monolayers. Growth medium: RPMI 1640 supplemented with 10% fetal bovine serum (FBS).

Cell culture conditions

Citation	NCI-H716 (ATCC CCL-1581) Cytion 305079
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1581

NCI-H716 | 305079

Culture Medium RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/l NaHCO₃ (Cytion 820700a)

Supplements FBS 10%

Doubling time 50 h

Subculturing 5

Seeding density $> 3 \times 10^5$ cells/cm²

Fluid renewal 1 x

Freeze medium α -MEM + 10% FBS + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cryovial in 37°C water bath
 2. Transfer cells to 15 ml centrifuge tube and add 10 ml α -MEM + 10% FBS
 3. Centrifuge at 300 x g for 3 min
 4. Remove supernatant and wash cells with PBS
 5. Resuspend cells in 10 ml α -MEM + 10% FBS
 6. Seed cells into T75 flask at 70% confluency
 7. Incubate at 37°C, 5% CO₂
 8. Monitor cell growth and passage when cells reach 80-90% confluency

Incubation Atmosphere 37°C, 5% CO₂, humidified

XXXXXX NCI-H716 | 305079

Flask Coating

Freezing Procedure



Shipping Conditions

Storage Conditions

—150 —196 °C

XXXXXXXXXXXXXXXXXXXX / XXXXXXXXXXXXXXXXXXXXXXXX / HLA

Sterility

PCR

