

NCI-H1755 | 305834

General information

Description	NCI-H1755 is a cell line derived from a male patient with non-small cell lung cancer (NSCLC). The cell line is characterized by its ability to grow in suspension and its sensitivity to various chemotherapeutic agents. NCI-H1755 is a highly tumorigenic cell line that has been extensively used in preclinical studies. NCI-H1755 is a cell line derived from a male patient with non-small cell lung cancer (NSCLC). The cell line is characterized by its ability to grow in suspension and its sensitivity to various chemotherapeutic agents. NCI-H1755 is a highly tumorigenic cell line that has been extensively used in preclinical studies.
Organism	Human
Tissue	Lung
Disease	Non-small cell lung cancer
Synonyms	H1755, H-1755, NCIH1755

Cell characteristics

Age	65 years
Gender	Male
Ethnicity	White
Cell type	Epithelial cells
Growth properties	Highly tumorigenic, grows in suspension

Identification and documentation

Citation	NCI-H1755 (Cytion 305834)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1492

Additional information

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Mutational profile BRAF, p.Gly469Ala (c.1406G>C), TP53, p.Cys242Phe (c.725G>T),

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

Supplements 10% FBS

Dissociation Reagent

Fluid renewal 2 x 3

Freeze medium , 10% FBS + 10% DMSO

Thawing and Culturing Cells

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

Incubation Atmosphere 37°C, 5% CO₂,

Flask Coating

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Freezing
Procedure

Cell suspension is centrifuged at 300 x g for 5 min. The supernatant is removed and the cell pellet is resuspended in 1 ml of freezing medium. The cells are then frozen in a controlled rate freezer and stored at -78°C.

Shipping
Conditions

Cells are shipped in dry ice at -78°C.

Storage
Conditions

Cells are stored in liquid nitrogen at -150 to -196°C.

Cells are tested for mycoplasma contamination.

Sterility

Cells are tested for sterility by PCR. The results of the PCR are shown in the table below. The results show that the cells are sterile.

PCR results: Sterile