

Product sheet

NCI-H1755 | 305834

General Information

<b>Description</b>	NCI-H1755 is a cell line derived from a patient with non-small cell lung carcinoma (NSCLC). It is a continuous cell line that grows in suspension culture. The cell line is characterized by its ability to form colonies in soft agar and its sensitivity to various chemotherapeutic agents.
<b>Organism</b>	Human
<b>Tissue</b>	Lung
<b>Disease</b>	Non-small cell lung carcinoma
<b>Synonyms</b>	H1755, H-1755, H-1755, NCIH1755

Cell Culture

<b>Age</b>	65 years
<b>Gender</b>	Male
<b>Ethnicity</b>	White
<b>Cell type</b>	Epithelial cells, non-small cell lung carcinoma
<b>Growth properties</b>	Continuous cell line, grows in suspension culture, sensitive to various chemotherapeutic agents.

Identification and Accession

<b>Citation</b>	NCI-H1755 (NCI Cell Line Project)   305834
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606
<b>CellosaurusAccession</b>	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 2.0 2.0 / NaHCO3 (820700a)

**Supplements** 10% FBS

**Dissociation Reagent**

**Fluid renewal** 2 3

**Freeze medium** (FBS) + 10% DMSO

Thawing and Culturing Cells

1. Add 100 µl of the cell suspension to each well of a 96-well plate.
2. Incubate the cells at 37 °C in 5% CO<sub>2</sub> for 24 hours.
3. Remove the medium and replace it with fresh medium.
4. After 70% confluency, passage the cells into a 24-well plate.
5. Incubate the cells at 37 °C in 5% CO<sub>2</sub> for 24 hours.
6. After 30% confluency, passage the cells into a 6-well plate.
7. Incubate the cells at 37 °C in 5% CO<sub>2</sub> for 24 hours.
8. After 80% confluency, passage the cells into a T75 flask.

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

**Flask Coating**

