

NCI-H1703 | 305090

General information

Description	NCI-H1703 is a cell line derived from a 54-year-old male patient with a primary tumor of the lung. The cell line was established in 1974 and is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS). NCI-H1703 is a highly tumorigenic cell line that grows as a monolayer in the presence of FBS. It is characterized by its high growth rate and its ability to form colonies in soft agar. NCI-H1703 is a highly tumorigenic cell line that grows as a monolayer in the presence of FBS. It is characterized by its high growth rate and its ability to form colonies in soft agar.
Organism	Human
Tissue	Lung
Disease	Non-small cell lung cancer (NSCLC)
Synonyms	NCI-H1703, H-1703, NCIH1703

Cell characteristics

Age	54 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	High growth rate, tumorigenic

Cell line identification

Citation	NCI-H1703 (Cytion 305090)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1490

Cell line availability

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Culture Medium	RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO ₃ (Cytion 820700a)
Supplements	10% FBS
Dissociation Reagent	
Subculturing	Cells are grown in 25 cm ² flasks in RPMI 1640 medium supplemented with 10% FBS. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks. The medium is changed every 3-5 days.
Fluid renewal	2-3 times per week
Freeze medium	Cells are frozen in RPMI 1640 medium supplemented with 10% FBS and 10% DMSO. The medium is changed every 3-5 days.
Thawing and Culturing Cells	- Cells are thawed in a water bath at 37°C. - Cells are centrifuged at 300 x g for 5 minutes. - Cells are resuspended in RPMI 1640 medium supplemented with 10% FBS. - Cells are seeded into 25 cm² flasks. - Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS. - Cells are trypsinized and seeded into new flasks. - Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS. - Cells are trypsinized and seeded into new flasks.
Incubation Atmosphere	37°C, 5% CO ₂ , humidified
Flask Coating	

