

NCI-H1734 | 305833

NCI-H1734

Description	NCI-H1734 is a cell line derived from a primary tumor of a patient with non-small cell lung cancer (NSCLC). The cell line is characterized by the presence of a KRAS mutation (G12S) and is highly tumorigenic in nude mice. NCI-H1734 is a cell line derived from a primary tumor of a patient with non-small cell lung cancer (NSCLC). The cell line is characterized by the presence of a KRAS mutation (G12S) and is highly tumorigenic in nude mice. NCI-H1734 is a cell line derived from a primary tumor of a patient with non-small cell lung cancer (NSCLC). The cell line is characterized by the presence of a KRAS mutation (G12S) and is highly tumorigenic in nude mice.
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Organism	Human
Tissue	Lung
Disease	Non-small cell lung cancer
Synonyms	H1734, H-1734, NCIH1734

Cell Line Characteristics

Age	56 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Adherent

Cell Line Identification

Citation	NCI-H1734 (Cell Line) Cytion: 305833
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1491

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NCI-H1734 - NCI-H1734

Mutational profile

ATM, p.Gln65Pro (c.194A>C), KRAS, p.Gly13Cys (c.37G>T), RB1, p.Ser273Leu (c.818G>T),

NCI-H1734

Culture Medium

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

Supplements

10% FBS

Dissociation Reagent

Seeding density

$3-5 \times 10^4$ /

Fluid renewal

2 3

Freeze medium

10% FBS + 10% DMSO

Thawing and Culturing Cells

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

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Incubation
Atmosphere

37°C, 5%_{CO2}, humidified air

Shipping
Conditions

Cells are shipped in a dry ice container. The container is labeled with the biohazard symbol and the text "Dry Ice" and "Biohazard". The container is sealed and the lid is secured with a tamper-evident cap. The container is shipped in a sturdy, insulated box. The container is shipped at -78°C.

Storage
Conditions

Cells are stored in a liquid nitrogen vapor phase. The storage container is labeled with the biohazard symbol and the text "Liquid Nitrogen" and "Biohazard". The container is sealed and the lid is secured with a tamper-evident cap. The container is shipped in a sturdy, insulated box. The container is shipped at -150 to -196 °C.

Cells are shipped in a dry ice container. The container is labeled with the biohazard symbol and the text "Dry Ice" and "Biohazard". The container is sealed and the lid is secured with a tamper-evident cap. The container is shipped in a sturdy, insulated box. The container is shipped at -78°C.

Sterility

Cells are shipped in a dry ice container. The container is labeled with the biohazard symbol and the text "Dry Ice" and "Biohazard". The container is sealed and the lid is secured with a tamper-evident cap. The container is shipped in a sturdy, insulated box. The container is shipped at -78°C.

Cells are stored in a liquid nitrogen vapor phase. The storage container is labeled with the biohazard symbol and the text "Liquid Nitrogen" and "Biohazard". The container is sealed and the lid is secured with a tamper-evident cap. The container is shipped in a sturdy, insulated box. The container is shipped at -150 to -196 °C.