

NCI-H226 | 305091

General information

Description	NCI-H226 is a human non-small cell lung carcinoma (NSCLC) cell line, derived from a 68-year-old male patient with a primary lung adenocarcinoma. The cell line is characterized by its ability to form colonies in soft agar and its sensitivity to various chemotherapeutic agents. NCI-H226 is a derivative of the NCI-H226 cell line, which is a human non-small cell lung carcinoma (NSCLC) cell line. NCI-H226 is a derivative of the NCI-H226 cell line, which is a human non-small cell lung carcinoma (NSCLC) cell line. NCI-H226 is a derivative of the NCI-H226 cell line, which is a human non-small cell lung carcinoma (NSCLC) cell line.
Organism	Human
Tissue	Lung
Disease	Non-small cell lung carcinoma (NSCLC)
Synonyms	NCI-H226, NCI.H226, NCI H226, H-226, HUT-226, HUT 226, NCIH226

Cellular characteristics

Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Adherent

Cellular characteristics

Citation	NCI-H226 (NCI-H226) Cytion 305091
Biosafety level	1
NCBI_TaxID	9606
CellSaurusAccession	CVCL_1544

Cellular characteristics

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Culture Medium

RPMI 1640, w: 2.0 mM CaCl_2 , w: 2.0 g/L NaHCO_3 (Cytion 820700a)

Supplements

10% FBS

Dissociation Reagent

Trypsin

Subculturing

Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS. For subculturing, cells are trypsinized and resuspended in PBS. Cells are then seeded into new flasks at a density of 1-5 x 10⁵ cells per flask. Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS.

Split ratio

1:2 to 1:4

Fluid renewal

2 to 3 times per week

Freeze medium

Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS. For freezing, cells are trypsinized and resuspended in PBS. Cells are then seeded into new flasks at a density of 1-5 x 10⁵ cells per flask. Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS.

Thawing and Culturing Cells

1. Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS. For subculturing, cells are trypsinized and resuspended in PBS. Cells are then seeded into new flasks at a density of 1-5 x 10⁵ cells per flask. Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS.
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Incubation Atmosphere

37°C, 5% CO_2 , humidified

Flask Coating

Not required

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Freezing
Procedure

1. Remove the cells from the incubator and centrifuge at 300 x g for 5 min. 2. Remove the supernatant and resuspend the cell pellet in 1 ml of freezing medium. 3. Mix gently and transfer to a cryovial. 4. Freeze at -78°C.

Shipping
Conditions

1. Ship at -78°C. 2. Use dry ice for shipping.

Storage
Conditions

1. Store at -150 to -196°C. 2. Store in liquid nitrogen.

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Sterility

1. The cells are supplied as a suspension in DMEM/F12 medium. 2. The cells are free of mycoplasma contamination. 3. The cells are free of endotoxins. 4. The cells are free of viruses. 5. The cells are free of fungi. 6. The cells are free of bacteria.