

Product sheet

NCI-H2126 | 300639

General information

<b>Description</b>	NCI-H2126 is a cell line derived from a 65-year-old male patient with non-small cell lung cancer (NSCLC). The cell line is characterized by its ability to grow in vitro and in vivo, and its sensitivity to various chemotherapeutic agents. It is a highly tumorigenic cell line that has been used extensively in preclinical studies of lung cancer treatment. The cell line is maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin. The cell line is characterized by its ability to grow in vitro and in vivo, and its sensitivity to various chemotherapeutic agents. It is a highly tumorigenic cell line that has been used extensively in preclinical studies of lung cancer treatment.
<b>Organism</b>	Human
<b>Tissue</b>	Lung
<b>Disease</b>	Non-small cell lung cancer
<b>Metastatic site</b>	Adipose tissue
<b>Applications</b>	In vitro cell culture, drug screening, preclinical studies
<b>Synonyms</b>	H-2126, NCIH2126, NCI-H2126

Characteristics

<b>Age</b>	65 years
<b>Gender</b>	Male
<b>Ethnicity</b>	White
<b>Morphology</b>	Epithelial
<b>Growth properties</b>	Adherent

References and safety

<b>Citation</b>	NCI-H2126 (ATCC CCL-221)   Cytion 300639
<b>Biosafety level</b>	2
<b>NCBI_TaxID</b>	9606

Product sheet

NCI-H2126 | 300639

CellosaurusAccession CVCL\_1532

XXXXXXXXXX XXXX-XXXXXXXXXXXXXXXXXX

**Isoenzymes** AK-1, 1, ES-D, 1-2, G6PD, B, GLO-I, 2, Me-2, 0, PGM1, 1-2, PGM3, 2

**Tumorigenic** XX, XXXXXXXXXXXXXXXXXXXX

**Viruses** EBV (XXXXXXXXXXXXXXXXXX)

**Ploidy status** XXXXXXXXXXXXXXXXXXXX

XXXXXXXXXX

**Culture Medium** DMEM:Ham's F12 (1:1), w: 3.1 g/L XXXXXXXX, w: 2.5 mM L-XXXXXXXXXX, w: 15 mM HEPES, w: 0.5 mM XXXXX XXXXXXXX, w: 1.2 g/L NaHCO3 820400a)

**Supplements** XXXXX XXXXXXXX 5% FBS, 0.005 µg/µl XXXXXXXX, 0.01 µg/µl XXXXXXXX, 30 XXXXXXXX XXXXX XXXXX, 10 XXXXXXXX XXXXXXXXXXXXXXXXXXXX, 10 XXXXXXXX

**Dissociation Reagent** XXXXXXXX

**Subculturing** XXX XX XXXXXXXX XXXXX XXXXXXXX XXXXXXXX XXXXX XXXXX µ-PBS XXX XXXXX XXXXXXXX XXXXX XXXXXXXX T25, XXXXXXX µ-3-5 µl PBS, XXXXXXX XXX 3 XXXXX. XXXXX XX XXXXXXXX XXXXXXXX, XXXXX XX XXXXXXXX XXXXXXXX XXXXXXXX XXX XXXXXXX XXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXX XXXXX.

**Freeze medium** XXXXXXXX XXXXXXXX XXXXXXXX, XXXXX XXXXXXXX XXXXXXXX XXXXXXXX XXXXX (XXXXX FBS) + 10% DMSO XXXXX XXXXXXXX XXXXXXXX XXXXXXX XXXXXXX XXXXXXX, XXX C

# NCI-H2126 | 300639

## Thawing and Culturing Cells

1. Thaw the vial rapidly in a 37°C water bath. Transfer the cells to a pre-warmed complete medium.
2. Seed the cells into a T25 flask containing 5 mL of complete medium. Incubate at 37°C in 5% CO<sub>2</sub>.
3. Once cells are established, passage them into a T75 flask containing 15 mL of complete medium.
4. Seed the cells into a T75 flask containing 15 mL of complete medium. Incubate at 37°C in 5% CO<sub>2</sub>.
5. Once cells are established, passage them into a T75 flask containing 15 mL of complete medium.
6. Seed the cells into a T75 flask containing 15 mL of complete medium. Incubate at 37°C in 5% CO<sub>2</sub>.
7. Once cells are established, passage them into a T75 flask containing 15 mL of complete medium.
8. Seed the cells into a T75 flask containing 15 mL of complete medium. Incubate at 37°C in 5% CO<sub>2</sub>.

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

**Flask Coating** None

**Freezing Procedure** Harvest cells into a 15 mL centrifuge tube. Wash with PBS. Resuspend in freezing medium. Aliquot into 1 mL vials. Store at -80°C.

**Shipping Conditions** Cells should be shipped on dry ice at -80°C.

**Storage Conditions** Cells should be stored in liquid nitrogen at -150°C for up to 196 days.

## Genetic Markers / HLA

**Sterility** Cells are tested for mycoplasma contamination using PCR. No contamination was detected.