

Product sheet

NCI-H2126 | 300639

General Information

Description	NCI-H2126 is a cell line derived from a patient with non-small cell lung carcinoma (NSCLC). It is a highly metastatic cell line that grows as a monolayer in vitro. The cell line is characterized by its high tumorigenicity and its ability to form large, invasive tumors in nude mice. NCI-H2126 is a highly metastatic cell line that grows as a monolayer in vitro. The cell line is characterized by its high tumorigenicity and its ability to form large, invasive tumors in nude mice.
Organism	Human
Tissue	Lung
Disease	Non-small cell lung carcinoma
Metastatic site	Brain, Liver, Lung, Pancreas
Applications	Targeted drug discovery, Cancer research, Cell-based assays
Synonyms	H-2126, NCIH2126, NCI-H2126

Cell Culture

Age	65 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Adherent

References and Safety

Citation	NCI-H2126 (ATCC CCL-221) 300639
Biosafety level	2
NCBI_TaxID	9606

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Thawing and Culturing Cells

1. Thaw the vial rapidly in a 37°C water bath. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 × g for 3 minutes. Resuspend the cells in 10 mL of pre-warmed medium.
3. Seed the cells into a T75 flask containing 37 mL of pre-warmed medium.
4. Incubate the cells at 37°C in a 5% CO₂ atmosphere until they reach 70% confluency.
5. Pass the cells into a T75 flask containing 15 mL of pre-warmed medium.
6. Seed the cells into a T75 flask containing 300 × g for 3 minutes. Resuspend the cells in 10 mL of pre-warmed medium.
7. Seed the cells into a T75 flask containing 10 mL of pre-warmed medium.
8. Incubate the cells at 37°C in a 5% CO₂ atmosphere until they reach 70% confluency.

Incubation Atmosphere 37 °C, 5% CO₂

Flask Coating None

Freezing Procedure Harvest cells and resuspend in freezing medium. Store at -150 °C.

Shipping Conditions Dry ice, -78 °C

Storage Conditions -150 °C to -196 °C

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Sterility The cells are tested for mycoplasma contamination using PCR.