

Product sheet

NCI-H2122 | 305600

General Information

Description NCI-H2122 is a cell line derived from a patient with non-small cell lung cancer (NSCLC). It is characterized by the presence of a KRAS mutation and the absence of EGFR mutations. The cell line is sensitive to MAPK inhibitors and KRAS inhibitors.

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Organism Human

Tissue Lung

Disease Non-small cell lung cancer

Metastatic site Lung

Synonyms H2122, H-2122, NCIH2122

Cell Line Characteristics

Age 46 years

Gender Male

Ethnicity Caucasian

Morphology Epithelial, adherent

Growth properties Slow growing

References and Safety

Citation NCI-H2122 (ATCC CCL-222) | Cytion 305600

Biosafety level 1

NCBI_TaxID 9606

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Thawing and Culturing Cells

1. Thaw the vial rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 15 µl of medium. Seed the cells into a 96-well plate.
3. Incubate the cells at 37°C in 5% CO₂. The cells should reach 70% confluency within 7-10 days.
4. Harvest the cells by trypsinization. Seed the cells into a new 96-well plate.
5. Repeat the process for the remaining vials.
6. Store the remaining cells at -150°C.
7. Thaw the cells at 37°C.
8. Seed the cells into a 96-well plate.

Incubation Atmosphere 37°C, 5% CO₂, humidified air

Flask Coating None

Freezing Procedure Harvest cells by trypsinization. Resuspend cells in 150 µl of freezing medium. Seed cells into a 96-well plate.

Shipping Conditions Dry ice, -78°C

Storage Conditions -150°C, 196 µl

Genotype / HLA

Sterility PCR confirmed. Sterility testing performed.