

Product sheet

NCI-H1975 | 305067

NCI-H1975

Description NCI-H1975 is a cell line derived from a patient with non-small cell lung cancer (NSCLC). It is a highly metastatic cell line that grows in soft agar and is characterized by its ability to form colonies in soft agar. The cell line is derived from a primary tumor and is maintained in culture as a suspension of cells. It is a highly metastatic cell line that grows in soft agar and is characterized by its ability to form colonies in soft agar. The cell line is derived from a primary tumor and is maintained in culture as a suspension of cells. It is a highly metastatic cell line that grows in soft agar and is characterized by its ability to form colonies in soft agar. The cell line is derived from a primary tumor and is maintained in culture as a suspension of cells.

Organism Human

Tissue Lung

Disease Non-small cell lung cancer

Synonyms NCI-H1975, H-1975, NCIH1975

Characteristics

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Growth properties Adherent

References

Citation NCI-H1975 (ATCC CCL-151) | Cytion 305067

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_1511

Additional information

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Culture Medium RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO₃ (Cytion 820700a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Cells are harvested by trypsinization and centrifugation. Cells are resuspended in PBS and seeded into T25 flasks, 3-5 x 10⁶ cells per flask. Cells are cultured in 3 ml medium. Cells are harvested by trypsinization and centrifugation. Cells are resuspended in PBS and seeded into T25 flasks, 3-5 x 10⁶ cells per flask. Cells are cultured in 3 ml medium.

Split ratio 1:2 or 1:4

Fluid renewal 2 or 3 times per week

Freeze medium RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO₃ (Cytion 820700a), 10% FBS + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells rapidly in a 37°C water bath. Transfer cells to a pre-warmed medium.
2. Centrifuge cells at 300 x g for 3 minutes. Resuspend cells in 1 ml medium.
3. Seed cells into a T25 flask. Incubate at 37°C in 5% CO₂.
4. Monitor cell growth and confluency. Harvest cells when they reach 70% confluency.
5. Seed cells into a T25 flask. Incubate at 37°C in 5% CO₂.
6. Seed cells into a T25 flask. Incubate at 37°C in 5% CO₂.
7. Seed cells into a T25 flask. Incubate at 37°C in 5% CO₂.
8. Seed cells into a T25 flask. Incubate at 37°C in 5% CO₂.

Incubation Atmosphere 37°C, 5% CO₂

