

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 proliferative cell line that is sensitive to the tyrosine kinase inhibitor gefitinib (Zinc Finger EGF Inhibitor). The cell line is characterized by the presence of a wild-type EGFR and a constitutively active KRAS mutation. It is a good model for studying the role of KRAS in lung cancer and for testing novel targeted therapies. The cell line is maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin. It is a good model for studying the role of KRAS in lung cancer and for testing novel targeted therapies.

Organism Human

Tissue Lung

Disease Lung Cancer

Synonyms NCI-H1975, H-1975, NCIH1975, NCIH1975

Characteristics

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Growth properties Adherent

References

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

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_1511

Additional information

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Culture Medium RPMI 1640 2.0 2.0 NaHCO3 (820700a)

Supplements 10% FBS

Dissociation Reagent

Subculturing PBS

Split ratio 1:2 1:4

Fluid renewal 2 3

Freeze medium (FBS) + 10% DMSO

- 1. Thawing and Culturing Cells
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

Incubation Atmosphere 37

Flask Coating

