

Product sheet

NCI-H2110 NCI-H2110 | 305838

General Information

Description	NCI-H2110 is a cell line derived from a patient with non-small cell lung cancer (NSCLC). It is characterized by a KRAS mutation and is used for research in lung cancer treatment and drug development.
Organism	Human
Tissue	Lung
Disease	Non-small cell lung cancer (NSCLC)
Synonyms	H2110, H-2110, H-2110, NCIH2110

Characteristics

Age	Not applicable
Gender	Not applicable
Ethnicity	Not applicable
Cell type	Epithelial
Growth properties	Adherent

Identification and Accession

Citation	NCI-H2110 (NCI-H2110) 305838
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1530

Additional Information

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Mutational profile RIT1, Simple, p.Met90Ile (c.270G>A), Heterozygous.Mutation, TP53, Simple, p.Arg158Pro (c.473G>C), Homozygous.

NCI-H2110

Culture Medium RPMI 1640 2.0 μ M β -mercaptoethanol 2.0 μ M/NaHCO₃ (820700a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Fluid renewal 2-3 times per week

Freeze medium RPMI 1640 + 10% DMSO + 10% FBS

Thawing and Culturing Cells

1. Thaw cells rapidly in a 37°C water bath.
2. Dilute cells into pre-warmed complete medium.
3. Seed cells into a T25 flask.
4. Allow cells to recover for 24-48 hours.
5. Monitor cell growth and morphology.
6. Once cells are established, passage them into a 300 cm² flask.
7. Maintain cells in complete medium.
8. Harvest cells for analysis.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating None

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