

Product sheet

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 the presence of a KRAS mutation. This cell line is maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS). For more information, please refer to the Cell Line Encyclopedia (CCL) database.

Organism Human

Tissue Lung

Disease Non-small cell lung cancer

Synonyms H2110, H-2110, NCIH2110

Characteristics

Age 60-70 years

Gender Male

Ethnicity African American

Cell type Epithelial

Growth properties Adherent

References

Citation NCI-H2110 (Cytion 305838)

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_1530

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Cell Line

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

Cell Line

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

Supplements 10% FBS

Dissociation Reagent

Fluid renewal 2-3

Freeze medium (FBS) + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells rapidly in a 37°C water bath.
2. Centrifuge at 300 x g for 3 minutes.
3. Resuspend cells in 15 ml of fresh culture medium.
4. Seed cells into a T25 flask at 70% confluency.
5. Incubate at 37°C in 5% CO2.
6. Monitor cell growth and passage when cells reach 70-80% confluency.
7. Harvest cells using trypsin.
8. Seed cells into a T25 flask.

Incubation Atmosphere 37°C, 5% CO2

