

Product sheet

NCI-H211 | 305837

General Information

Description
NCI-H211 is a cell line derived from a patient with non-small cell lung cancer (NSCLC). It is a highly tumorigenic cell line that grows in soft agar and is capable of forming xenografts in immunodeficient mice. NCI-H211 is a highly tumorigenic cell line that grows in soft agar and is capable of forming xenografts in immunodeficient mice. NCI-H211 is a highly tumorigenic cell line that grows in soft agar and is capable of forming xenografts in immunodeficient mice.

Organism Human

Tissue Lung

Disease Non-small cell lung cancer

Synonyms H211, H-211, NCIH211

Characteristics

Age 50 years

Gender Male

Ethnicity Caucasian

Growth properties Adherent, Epithelial

References and Safety

Citation NCI-H211 (ATCC CCL-221) Cytion 305837

Biosafety level 1

NCBI_TaxID 9606

CellSaurusAccession CVCL_1529

Additional Information

Product sheet

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Mutational profile TP53 p.Arg248Gln (c.743G>A) (PubMed=1312696 PubMed=1565469)

Karyotype Iso(3p)t(3;4)(pter-q12)t(3;11)(qter-p25)

NCI-H211

Culture Medium RPMI 1640 2.0 2.0 2.0 NaHCO₃ (820700a)

Supplements 10% FBS

Dissociation Reagent

Seeding density 0.1 x 10⁶ cells/ml

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. Centrifuge cells at 300 x g for 3 minutes.
 3. Resuspend cells in 10 ml of complete medium.
 4. Seed cells into a T25 flask at a density of 70% confluence.
 5. Incubate cells in a humidified CO₂ incubator at 37°C for 8-15 days.
 6. Monitor cell growth and morphology.
 7. Harvest cells when they reach 70-80% confluence.
 8. Pass cells to a new flask.

