

Product sheet

NCI-H211 | 305837

General Information

Description
NCI-H211 is a cell line derived from a patient with non-small cell lung carcinoma (NSCLC). It is a highly tumorigenic cell line that grows in suspension culture. The cell line is characterized by its ability to form colonies in soft agar and its high tumorigenicity in immunodeficient mice. NCI-H211 is a highly tumorigenic cell line that grows in suspension culture. The cell line is characterized by its ability to form colonies in soft agar and its high tumorigenicity in immunodeficient mice. NCI-H211 is a highly tumorigenic cell line that grows in suspension culture. The cell line is characterized by its ability to form colonies in soft agar and its high tumorigenicity in immunodeficient mice.

Organism Human

Tissue Lung

Disease Lung Cancer

Synonyms H211, H-211, NCIH211

Characteristics

Age 50 years

Gender Male

Ethnicity Caucasian

Growth properties Adherent, suspension

References

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

Biosafety level 1

NCBI_TaxID 9606

CellSaurusAccession CVCL_1529

Additional Information

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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)

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Culture Medium RPMI 1640 2.0 mM L-glutamine 2.0 mM 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% FBS + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells in a 37°C water bath.
 2. Add 10% FBS to the medium.
 3. Seed cells into a 96-well plate at 100,000 cells per well.
 4. Incubate for 70% confluency.
 5. Harvest cells after 15 days.
 6. Seed cells into 300 x 300 mm flasks.
 7. Harvest cells after 10 days.
 8. Harvest cells after 10 days.

