

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 the presence of 10% CO<sub>2</sub>.  
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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 the presence of 10% CO<sub>2</sub>.

**Organism** Human

**Tissue** Lung

**Disease** Non-small cell lung cancer

**Synonyms** H211, H-211, NCIH211

Cell Culture

**Age** 50 passages

**Gender** Male

**Ethnicity** Caucasian

**Growth properties** Adherent

References

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

**Biosafety level** 1

**NCBI\_TaxID** 9606

**CellosaurusAccession** 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)

**NCI-H211**

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

**Supplements** 10% FBS

**Dissociation Reagent**

**Seeding density** 0.1 x 10<sup>6</sup> / ml

**Fluid renewal** 2-3 times

**Freeze medium** (FBS) + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells rapidly in a 37°C water bath, then transfer to a pre-warmed medium.
  2. Centrifuge at 300 x g for 3 minutes, remove supernatant, and resuspend in fresh medium.
  3. Seed cells into a pre-warmed medium at a density of 0.1 x 10<sup>6</sup> cells/ml.
  4. Incubate cells in a humidified CO<sub>2</sub> incubator at 37°C.
  5. Monitor cell growth and morphology.
  6. Perform fluid renewal 2-3 times.
  7. Harvest cells for analysis.
  8. Store cells in a liquid nitrogen tank.

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**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, humidified

**Flask Coating** None

**Shipping Conditions** Cryogenic storage at -78°C

**Storage Conditions** Cryogenic storage at -150 to -196°C

HLA

**Sterility** Sterile, PCR grade