

Product sheet

NCI-H69AR | 305840

NCI-H69AR

**Description**  
NCI-H69AR is a human small cell lung carcinoma (SCLC) cell line derived from NCI-H69. It is characterized by its neuroendocrine phenotype and high expression of P-glycoprotein (P-gp). The cell line is highly sensitive to platinum-based chemotherapy and is used as a model for studying drug resistance mechanisms in SCLC.

**Organism** Human

**Tissue** Lung

**Disease** Small cell lung carcinoma

**Metastatic site** Liver, Brain, Bone

**Synonyms** NCI-H69 AR, NCI-H69/AR, H69AR, H69AR, H-69AR

Cell Characteristics

**Age** 55 days

**Gender** Male

**Ethnicity** Caucasian

**Morphology** Small cell carcinoma

**Cell type** Epithelial

**Growth properties** Adherent

References

**Citation** NCI-H69AR (ATCC CCL-220) | 305840

**Biosafety level** 1



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Thawing and Culturing Cells

1. Thaw the vial rapidly in a 37°C water bath. Transfer the cells to a pre-warmed T75 flask containing 10 mL of complete medium.
2. Allow the cells to settle and attach to the flask for 24 hours. After 24 hours, the medium should be replaced with fresh complete medium.
3. The cells should be passaged when they reach 70-80% confluency. Seed 10<sup>6</sup> cells into a T75 flask with 10 mL of complete medium.
4. The cells should be passaged when they reach 70% confluency. Seed 10<sup>6</sup> cells into a T75 flask with 10 mL of complete medium.
5. The cells should be passaged when they reach 70% confluency. Seed 10<sup>6</sup> cells into a T75 flask with 10 mL of complete medium.
6. The cells should be passaged when they reach 70% confluency. Seed 10<sup>6</sup> cells into a T75 flask with 10 mL of complete medium.
7. The cells should be passaged when they reach 70% confluency. Seed 10<sup>6</sup> cells into a T75 flask with 10 mL of complete medium.
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**Incubation Atmosphere** 37 °C, 5% CO<sub>2</sub>, humidified

**Flask Coating** None

**Shipping Conditions** Dry ice, -78 °C

**Storage Conditions** -150 °C to -196 °C

NCI-H69AR / HLA

**Sterility** Sterility testing: PCR