

NCI-H2195 | 305259

General information

Description	NCI-H2195 is a human small cell lung carcinoma (SCLC) cell line. It is derived from a 67-year-old male patient with a primary tumor in the right lung. The cell line is characterized by its high growth rate and its sensitivity to platinum-based chemotherapy. It is commonly used in preclinical studies of SCLC and in the development of new therapeutic agents.
Organism	Human
Tissue	Lung
Disease	Small cell lung carcinoma
Metastatic site	None
Synonyms	H2195, H-2195

Cellular characteristics

Age	67 years
Gender	Male
Ethnicity	White
Growth properties	Adherent

Cellular morphology and growth

Citation	NCI-H2195 (ATCC CCL-221) Cytion 305259
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1538

Cellular morphology and growth

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Mutational profile TP53, p.Val157Phe (c.469G>T)

Culture Medium DMEM:Ham's F12 (1:1), w: 3.1 g/L , w: 1.6 mM L-, w: 15 mM HEPES, w: 1.0 mM , w: 1.2 g/L NaHCO₃ 820400a)

Supplements 10% FBS, ITS+, 10 nM, β - 10 nM, L-

Dissociation Reagent

Subculturing 10% FBS, ITS+, 10 nM, β - 10 nM, L- 10% FBS, ITS+, 10 nM, β - 10 nM, L- 10% FBS, ITS+, 10 nM, β - 10 nM, L- 10% FBS, ITS+, 10 nM, β - 10 nM, L-

Split ratio 1:2 1:3

Fluid renewal

Freeze medium 10% FBS, ITS+, 10 nM, β - 10 nM, L- 10% FBS, ITS+, 10 nM, β - 10 nM, L- 10% FBS, ITS+, 10 nM, β - 10 nM, L-

Thawing and Culturing Cells

1. 10% FBS, ITS+, 10 nM, β - 10 nM, L- 10% FBS, ITS+, 10 nM, β - 10 nM, L- 10% FBS, ITS+, 10 nM, β - 10 nM, L-
2. 10% FBS, ITS+, 10 nM, β - 10 nM, L- 10% FBS, ITS+, 10 nM, β - 10 nM, L- 10% FBS, ITS+, 10 nM, β - 10 nM, L-
3. 10% FBS, ITS+, 10 nM, β - 10 nM, L- 10% FBS, ITS+, 10 nM, β - 10 nM, L- 10% FBS, ITS+, 10 nM, β - 10 nM, L-
4. 10% FBS, ITS+, 10 nM, β - 10 nM, L- 10% FBS, ITS+, 10 nM, β - 10 nM, L- 10% FBS, ITS+, 10 nM, β - 10 nM, L-
5. 10% FBS, ITS+, 10 nM, β - 10 nM, L- 10% FBS, ITS+, 10 nM, β - 10 nM, L- 10% FBS, ITS+, 10 nM, β - 10 nM, L-
6. 10% FBS, ITS+, 10 nM, β - 10 nM, L- 10% FBS, ITS+, 10 nM, β - 10 nM, L- 10% FBS, ITS+, 10 nM, β - 10 nM, L-
7. 10% FBS, ITS+, 10 nM, β - 10 nM, L- 10% FBS, ITS+, 10 nM, β - 10 nM, L- 10% FBS, ITS+, 10 nM, β - 10 nM, L-
8. 10% FBS, ITS+, 10 nM, β - 10 nM, L- 10% FBS, ITS+, 10 nM, β - 10 nM, L- 10% FBS, ITS+, 10 nM, β - 10 nM, L-

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Incubation
Atmosphere

37°C, 5%_{CO2}, humidified air

Flask Coating

None

Freezing
Procedure

Cells are seeded into 24-well plates and grown to confluence. Cells are then trypsinized and resuspended in freezing medium. The suspension is then aliquoted into 1 mL vials and frozen at -78°C.

Shipping
Conditions

Cells are shipped in freezing medium at -78°C.

Storage
Conditions

Cells can be stored in freezing medium at -150 °C for up to 196 weeks.

NCI-H2195 (ATCC CCL-219)

Sterility

Cells are tested for mycoplasma contamination using PCR. Cells are also tested for sterility using a sterility test kit. Cells are found to be free of mycoplasma and sterile.