

HCC1359 | 305783

General Information

Description	HCC1359 is a human non-small cell lung carcinoma (NSCLC) cell line. It is characterized by a mutation in the KRAS gene. HCC1359 is a highly proliferative cell line that is sensitive to cisplatin and paclitaxel.
Organism	Human
Tissue	Lung
Disease	Non-small cell lung carcinoma
Synonyms	HCC-1359, HCC1359, HCC1359

Characteristics

Age	55 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Cell type	Adherent
Growth properties	Highly proliferative

References and Safety

Citation	HCC1359 (ATCC CCL-221) Cytion 305783
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_5128

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Cell Line Characteristics

Protein expression **HER2/neu**, **p53**

Antigen expression **EGP2**; **CD19**

Oncogenes **her2/neu-**; **p53+**

Mutational profile

Karyotype **46,XX**

Culture Conditions

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

Supplements **10% FBS**

Dissociation Reagent **Trypsin**

Doubling time 62.8 **hours**

Fluid renewal **3-4 times per week**

Freeze medium **DMEM**, **10% FBS** + 10% DMSO **DMEM** **10% FBS**, **CM-1**

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Thawing and Culturing Cells

1. Thaw the vial rapidly in a 37°C water bath. Do not vortex. Transfer the cells to a pre-warmed medium.
2. Centrifuge at 300 x g for 3 minutes. Resuspend in 150 µl of medium. Seed into a 96-well plate.
3. Incubate at 37°C in 5% CO₂ for 24 hours. Media should be replaced after 24 hours.
4. Harvest cells at 70% confluency.
5. Seed cells into a 15 µm x 8 µm well plate.
6. Seed 300 x g for 3 minutes. Resuspend in 300 µl of medium.
7. Seed cells into a 10 µm x 10 µm well plate. Incubate at 37°C in 5% CO₂ for 24 hours.
8. Harvest cells at 70% confluency.

Incubation Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

Not applicable for this cell line.

Freezing Procedure

Not applicable for this cell line.

Shipping Conditions

Not applicable for this cell line.

Storage Conditions

Not applicable for this cell line.

HLA

Sterility

Not applicable for this cell line.

Not applicable for this cell line.