

HCC1395 | 305546

Description HCC1395 is a human cell line derived from a patient with colorectal adenocarcinoma. It is characterized by its ability to grow in suspension and its sensitivity to various chemotherapeutic agents. The cell line is widely used in research to study the mechanisms of drug resistance and to evaluate the efficacy of new anticancer therapies.

Organism Human

Tissue Colon

Disease Colorectal adenocarcinoma

Synonyms HCC-1395, SCC-1395, HCC1395, HCC1395

Age 43 years

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Cell type Adenocarcinoma

Growth properties Adherent

Citation HCC1395 (ATCC CCL-229) | 305546

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_1249

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Protein expression	TP53, EGFR, CD44, CD133, CD133-2 (EGP2), CD133-19
Oncogenes	TP53/CD133-2 p53+
Mutational profile	TP53 p.Arg175His (c.524G>A), CD133-19
Culture Medium	RPMI 1640 + 4.5% FBS + 2% L-glutamine + 10% Serum (10% Serum (10% Serum)) + 1% Penicillin + 1% Streptomycin
Supplements	10% FBS
Dissociation Reagent	Trypsin
Subculturing	Cells are seeded into T75 flasks with 10% FBS. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks with 10% FBS.
Fluid renewal	2-3 times per week
Freeze medium	DMEM + 10% FBS + 10% DMSO + 10% Serum (10% Serum (10% Serum)) + 1% Penicillin + 1% Streptomycin

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Thawing and Culturing Cells

1. Thaw the vial rapidly in a 37°C water bath. Do not vortex. Remove the vial from the water bath and centrifuge at 300 x g for 3 minutes. Remove the supernatant and resuspend the cells in 10 ml of complete medium. Seed the cells into a T75 flask containing 50 ml of complete medium. Incubate the cells for 24 hours at 37°C in 5% CO₂. The cells should reach 70% confluency. Pass the cells into a T75 flask containing 50 ml of complete medium. Incubate the cells for 24 hours at 37°C in 5% CO₂. The cells should reach 80% confluency. Seed the cells into a T75 flask containing 50 ml of complete medium. Incubate the cells for 24 hours at 37°C in 5% CO₂. The cells should reach 80% confluency.
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Incubation Atmosphere

37°C, 5% CO₂

Flask Coating

None

Freezing Procedure

Resuspend the cells in 1 ml of freezing medium. Seed the cells into a cryovial. Freeze the vial at -80°C.

Shipping Conditions

Store at -80°C. Ship on dry ice.

Storage Conditions

Store at -150°C to -196°C.

/ / HLA

Sterility

Cells are tested for mycoplasma contamination using PCR. Cells are free of mycoplasma contamination.