

## HCC1395 | 305546

**Description** HCC1395 is a cell line derived from a human colon 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 cancer research, particularly in the study of drug resistance and metastasis.

**Organism** Human

**Tissue** Colon

**Disease** 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

**CellSaurusAccession** CVCL\_1249

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<b>Protein expression</b>	TP53, EGFR, CD44, CD133, CD133-2 (EGP2), CD133-19
<b>Oncogenes</b>	TP53/CD133-2 p53+
<b>Mutational profile</b>	TP53 p.Arg175His (c.524G>A), CD133-19
<b>Culture Medium</b>	RPMI 1640 + 4.5% FBS + 2% L-glutamine + 10% Serum (10% Serum (10% Serum)) + 1% Penicillin + 1% Streptomycin
<b>Supplements</b>	10% FBS
<b>Dissociation Reagent</b>	Trypsin
<b>Subculturing</b>	Cells are seeded into T75 flasks with 10% FBS. Media is replaced with fresh medium containing 10% FBS. Cells are harvested when they reach 80-90% confluency.
<b>Fluid renewal</b>	2-3 days
<b>Freeze medium</b>	DMEM + 10% FBS + 10% DMSO

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## Thawing and Culturing Cells

1. Thaw the vial rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature.
2. Add 10 mL of pre-warmed complete medium to a T75 flask. Centrifuge the cells at 300 × g for 3 minutes.
3. Resuspend the cells in 10 mL of complete medium. Seed the cells into a T75 flask containing 70 mL of complete medium.
4. Incubate the cells at 37°C in a humidified 5% CO<sub>2</sub> atmosphere. The cells should reach confluence within 7-10 days.
5. Once the cells are confluent, passage them into a new T75 flask. The cells should reach confluence again within 7-10 days.
6. Harvest the cells by trypsinization. Seed the cells into a new T75 flask containing 70 mL of complete medium.
7. Incubate the cells at 37°C in a humidified 5% CO<sub>2</sub> atmosphere. The cells should reach confluence within 7-10 days.
8. Harvest the cells by trypsinization. Seed the cells into a new T75 flask containing 70 mL of complete medium.

## Incubation Atmosphere

37°C, 5% CO<sub>2</sub>, humidified

## Flask Coating

None

## Freezing Procedure

Resuspend cells in 1 mL of freezing medium. Seed into a cryovial and freeze at -80°C.

## Shipping Conditions

Store at -80°C. Ship on dry ice.

## Storage Conditions

Store at -150°C to -196°C in liquid nitrogen.

/ / HLA

## Sterility

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