

## HCC1954 | 305268

**Description**   
 HCC1954 is a cell line derived from a 61-year-old male patient with metastatic colorectal adenocarcinoma. The cell line is characterized by its ability to grow in suspension and form colonies in soft agar. It is a highly tumorigenic cell line that has been extensively used in research on colorectal cancer. HCC1954 cells are derived from a primary tumor and have been shown to maintain the same genetic profile as the primary tumor. The cell line is characterized by its ability to grow in suspension and form colonies in soft agar. It is a highly tumorigenic cell line that has been extensively used in research on colorectal cancer. HCC1954 cells are derived from a primary tumor and have been shown to maintain the same genetic profile as the primary tumor.

**Organism**   
 Human

**Tissue**   
 Colon

**Disease**   
 Colorectal adenocarcinoma

**Synonyms**   
 HCC-1954, HCC1954, HCC1954

**Age**   
 61

**Gender**   
 Male

**Ethnicity**   
 Caucasian

**Morphology**   
 Epithelial

**Growth properties**   
 Adherent

**Citation**   
 HCC1954 (ATCC CCL-229) (ATCC CCL-229) 305268

**Biosafety level**   
 1

**NCBI\_TaxID**   
 9606

**CellosaurusAccession**   
 CVCL\_1259

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<b>Receptors expressed</b>	HER2/neu - EGFR -
<b>Protein expression</b>	EGFR 2 (EGP2) 19
<b>Oncogenes</b>	Her2/neu+ (EGFR)
<b>Mutational profile</b>	PIK3CA, p.His1047Arg (c.3140A>G) TP53 p.Tyr163Cys (c.488A>G) CLTC + VMP1 = CLTC-vMP1
<b>Culture Medium</b>	RPMI 1640 2.0 2.0 2.0 NaHCO3 (820700a)
<b>Supplements</b>	10% FBS 2.5 10 1
<b>Dissociation Reagent</b>	
<b>Subculturing</b>	PBS
<b>Fluid renewal</b>	2 3
<b>Freeze medium</b>	(FBS) + 10% DMSO

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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 tube.
2. Add 1 mL of complete medium to the tube. Centrifuge at 300 x g for 3 minutes. Remove the supernatant and resuspend the cells in 1 mL of complete medium.
3. Seed the cells into a 24-well plate (37°C, 5% CO<sub>2</sub>). Seed density: 1.5 x 10<sup>5</sup> cells per well.
4. After 24 hours, check for cell attachment. If attachment is less than 70%, seed again.
5. After 48 hours, check for cell attachment. If attachment is less than 80%, seed again.
6. After 72 hours, check for cell attachment. If attachment is less than 90%, seed again.
7. After 96 hours, check for cell attachment. If attachment is less than 95%, seed again.
8. After 120 hours, check for cell attachment. If attachment is less than 98%, seed again.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>

**Flask Coating** None

**Freezing Procedure** Seed cells into a 24-well plate (37°C, 5% CO<sub>2</sub>). Seed density: 1.5 x 10<sup>5</sup> cells per well. Harvest cells after 24 hours.

**Shipping Conditions** -78°C

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

/ / HLA

**Sterility** Sterilized by gamma irradiation (PCR) and autoclaved.