

# HCC1428 | 305782

**Description** HCC1428 is a human colorectal adenocarcinoma cell line. It is a highly tumorigenic, clonally derived cell line that grows in suspension culture. HCC1428 is a highly tumorigenic, clonally derived cell line that grows in suspension culture. HCC1428 is a highly tumorigenic, clonally derived cell line that grows in suspension culture. (CCLE) is a highly tumorigenic, clonally derived cell line that grows in suspension culture.

**Organism** Human

**Tissue** Colon

**Disease** Colorectal adenocarcinoma

**Metastatic site** Liver, Lung, Pancreas

**Synonyms** HCC1428, HCC1428

**Age** 49 years

**Gender** Male

**Ethnicity** Caucasian

**Morphology** Epithelial

**Cell type** Adenocarcinoma

**Growth properties** High tumorigenicity, grows in suspension culture.

**Citation** HCC1428 (ATCC CCL-222) | ATCC CCL-222 305782

**Biosafety level** 1

**NCBI\_TaxID** 9606

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**CellosaurusAccession** CVCL\_1252

**Antigen expression** 2 [EGP2] 2 [EGP2] 19

**Oncogenes** p53-

**Mutational profile** ABCG1 + HGNC SLC37A1 ( ) = SLC37A1-ABCG1. FHIT Ex4del

**Karyotype**

**Culture Medium** DMEM: DMEM:Ham's F12 (1:1) 3.1 2.5 15 (15

**Supplements** 10 FBS

**Dissociation Reagent**

**Doubling time** 88

**Fluid renewal** 2 3

**Freeze medium** ( FBS ) + 10% DMSO

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## Thawing and Culturing Cells

1. Thaw the vial rapidly in a 37°C water bath. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 10 ml of pre-warmed medium.
3. Seed the cells into a 75 cm² flask containing 37 ml of pre-warmed medium.
4. Incubate the cells at 37°C in a humidified atmosphere of 5% CO<sub>2</sub> until they reach 70% confluency.
5. Pass the cells into a 150 cm² flask containing 15 ml of pre-warmed medium.
6. Seed the cells into a 300 x 3 mm flask containing 3 ml of pre-warmed medium.
7. Incubate the cells at 37°C in a humidified atmosphere of 5% CO<sub>2</sub> until they reach 80% confluency.
8. Harvest the cells by trypsinization and centrifugation.

## Incubation Atmosphere

37°C, 5% CO<sub>2</sub>, humidified atmosphere

## Flask Coating

None

## Shipping Conditions

Cells are shipped in a dry ice container at -78°C.

## Storage Conditions

Cells should be stored at -150°C to -196°C in liquid nitrogen.

/ / HLA

## Sterility

Cells are tested for sterility using PCR and are found to be free of contamination.