

HCC1428 | 305782

Description HCC1428 is a human cell line derived from a patient with colorectal adenocarcinoma. It is a clonal cell line established from a primary tumor. HCC1428 is a cell line that is highly tumorigenic in nude mice. It is a cell line that is highly tumorigenic in nude mice. HCC1428 is a cell line that is highly tumorigenic in nude mice. (CCLE) is a cell line that is highly tumorigenic in nude mice.

Organism Human

Tissue Colon

Disease Colorectal adenocarcinoma

Metastatic site Liver

Synonyms HCC1428, HCC1428

Age 49 years

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Cell type Epithelial

Growth properties Adherent, growing in DMEM/F12 medium

Citation HCC1428 (ATCC CCL-1428) | ATCC CCL-1428 305782

Biosafety level 1

NCBI_TaxID 9606

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CellosaurusAccession CVCL_1252

Antigen expression

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 × g for 3 minutes. Resuspend the cells in 10 ml of pre-warmed medium.
3. Seed the cells into a T75 flask containing 37 ml of pre-warmed medium.
4. Incubate the cells at 37°C in a humidified atmosphere with 5% CO₂. The cells should reach 70% confluency within 7-10 days.
5. Once the cells reach 70% confluency, they can be passaged into a T75 flask containing 15 ml of pre-warmed medium.
6. The cells should reach 70% confluency within 7-10 days.
7. The cells should reach 70% confluency within 7-10 days.
8. The cells should reach 70% confluency within 7-10 days.

Incubation Atmosphere

37°C, 5% CO₂, 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 mycoplasma contamination using PCR. The results are negative. The cells are also tested for endotoxin contamination. The results are negative.