

HCC187 | 305781

Description HCC187 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. HCC187 is a well-established model for studying colorectal cancer biology and drug response.

Organism Human

Tissue Colon

Disease Colorectal adenocarcinoma

Synonyms HCC-1187, HCC187, HCC187, HCC187

Age 41 years

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Cell type Adenocarcinoma

Growth properties Adherent

Citation HCC187 (ATCC CCL-229) | ATCC CCL-229

Biosafety level 1

NCBI_TaxID 9606

CellSaurusAccession CVCL_1247

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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 medium.
2. Centrifuge at 300 x g for 3 minutes. Resuspend in 100 µl of medium.
3. Seed into a 96-well plate (37°C, 5% CO₂) at a density of 37,000 cells per well.
4. After 24 hours, the cell density should reach 70% confluency.
5. Harvest cells after 15 days. Seed 8 wells per condition.
6. Seed 300 x 3 cells per well.
7. Harvest after 10 days.
8. Harvest after 10 days.

Incubation Atmosphere

37°C, 5% CO₂

Flask Coating

None

Freezing Procedure

Freeze cells in 100 µl of freezing medium in a 1 ml cryovial. Store at -80°C.

Shipping Conditions

Ship at 4°C. Do not freeze.

Storage Conditions

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

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Sterility

Cells are tested for mycoplasma contamination (PCR) and are found to be negative. Cells are also tested for endotoxin and are found to be negative.