

HCC187 | 305781

Description HCC187 is a human cell line derived from a patient with colorectal adenocarcinoma. It is a highly proliferative, anchorage-dependent cell line that grows in the presence of insulin, transferrin, and selenium (ITS) supplements. HCC187 cells are characterized by their ability to form colonies in soft agar and their sensitivity to various chemotherapeutic agents. The cell line is maintained in DMEM/F12 medium supplemented with ITS and transferrin.

Organism Human

Tissue Colon

Disease Colorectal adenocarcinoma

Synonyms HCC-1187, HCC1187, HCC187, HCC187-1187

Age 41 years

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Cell type Adenocarcinoma

Growth properties Anchorage dependent

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 water bath at 37°C. Do not shake the vial. Remove the vial from the water bath and centrifuge at 300 × g for 3 minutes. Discard the supernatant and resuspend the cells in 10 ml of pre-warmed complete medium. Seed the cells into a T75 flask containing 50 ml of complete medium. Incubate the cells at 37°C in a humidified atmosphere of 5% CO₂.
2. Once the cells have reached confluence, passage them into a new T75 flask. Seed the cells at 70% confluence.
3. The cells should reach confluence within 15 days. Passage the cells every 8 days.
4. For long-term storage, harvest the cells and freeze them in a cryoprotective medium. Store the cells at -150°C.
5. Thaw the cells rapidly in a water bath at 37°C. Do not shake the vial. Remove the vial from the water bath and centrifuge at 300 × g for 3 minutes. Discard the supernatant and resuspend the cells in 10 ml of pre-warmed complete medium. Seed the cells into a T75 flask containing 50 ml of complete medium. Incubate the cells at 37°C in a humidified atmosphere of 5% CO₂.
6. Once the cells have reached confluence, passage them into a new T75 flask. Seed the cells at 70% confluence.
7. The cells should reach confluence within 15 days. Passage the cells every 8 days.
8. For long-term storage, harvest the cells and freeze them in a cryoprotective medium. Store the cells at -150°C.

Incubation Atmosphere

37°C, 5% CO₂

Flask Coating

None

Freezing Procedure

Resuspend the cells in 1 ml of cryoprotective medium. Freeze the cells at -78°C.

Shipping Conditions

Store the cells at -78°C.

Storage Conditions

Store the cells at -150°C or -196°C.

/ / HLA

Sterility

The cells are tested for mycoplasma contamination using PCR. The cells are free of mycoplasma contamination. The cells are tested for endotoxin contamination. The cells are free of endotoxin contamination.