

HROC348 | 300719

General information

Description HROC348 is a cell line derived from a patient with colorectal adenocarcinoma. The cell line is characterized by wild-type KRAS and BRAF, and a wild-type TP53. The cell line is established from a primary tumor (LN_pos = 2), and is of male (M) origin. The cell line is characterized by a high degree of genetic stability and is suitable for long-term culture.

Organism Human

Tissue Colon

Disease Colorectal adenocarcinoma

Patient information

Age 77 years

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Growth properties Adherent

Identification

Citation HROC348 (Cytion 300719)

Biosafety level 1

NCBI_TaxID 9606

Genetic stability

MSI-status MSS

Notes

Product sheet

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Culture Medium DMEM:Ham's F12 (1:1), w: 3.1 g/L β -mercaptoethanol, w: 2.5 mM L-ascorbic acid, w: 15 mM HEPES, w: 0.5 mM $\text{CaCl}_2 \cdot \text{H}_2\text{O}$, w: 1.2 g/L NaHCO_3 820400a)

Supplements β -mercaptoethanol 10% FBS

Dissociation Reagent β -mercaptoethanol

Subculturing Cells are harvested by trypsinization with trypsin-EDTA solution, washed with PBS, and resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are seeded into T25 flasks at a density of 1×10^5 cells per flask. After 24 hours, the medium is replaced with DMEM:Ham's F12 (1:1) supplemented with 10% FBS.

Fluid renewal 2 x 3 days

Freeze medium DMEM:Ham's F12 (1:1) supplemented with 10% FBS and 10% DMSO

- Thawing and Culturing Cells**
1. Thaw the cells rapidly in a water bath at 37°C.
 2. Dilute the cells into DMEM:Ham's F12 (1:1) supplemented with 10% FBS.
 3. Seed the cells into T25 flasks at a density of 1×10^5 cells per flask.
 4. After 24 hours, the medium is replaced with DMEM:Ham's F12 (1:1) supplemented with 10% FBS.
 5. The cells are cultured in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.
 6. Harvest the cells by trypsinization with trypsin-EDTA solution.
 7. Wash the cells with PBS.
 8. Resuspend the cells in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.

Incubation Atmosphere 37°C, 5% CO_2

Flask Coating β -mercaptoethanol

Freezing Procedure Cells are harvested by trypsinization with trypsin-EDTA solution, washed with PBS, and resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS and 10% DMSO. The cells are seeded into cryovials at a density of 1×10^5 cells per vial. The vials are frozen at -80°C.

