

HROC395Met1 | 300854

General information

Description HROC (Hansestadt Rostock Colorectal cancer) cell line, derived from a 63-year-old male patient with metastatic colorectal cancer (MSI-H/MSM). The cell line is characterized by mutations in APC, KRAS, BRAF, PIK3CA, and TP53. HROC, "Tu" HROC, HROC-Cellosaurus, HROC, HROC MSI-H/MSM.

Organism Human

Tissue Colon

Disease Colorectal cancer

Metastatic site Liver

Characteristics

Age 63 years

Gender Male

Growth properties Adherent

References

Citation HROC395Met1 (Cytion 300854)

Biosafety level 1

NCBI_TaxID 9606

Additional information

Keywords

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Culture Medium DMEM:Ham's F12 (1:1), w: 3.1 g/L β -mercaptoethanol, w: 2.5 mM L-glutamine, 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 TrypLE Express 15 min 37°C

Freeze medium DMEM:Ham's F12 (1:1), w: 3.1 g/L β -mercaptoethanol, w: 2.5 mM L-glutamine, 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) + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw vials quickly in a 37°C water bath. Transfer cells to a pre-warmed medium.
 2. Centrifuge cells at 300 x g for 5 min. Resuspend cells in pre-warmed medium.
 3. Seed cells into a pre-warmed medium.
 4. Incubate cells in a 37°C incubator with 5% CO_2 .
 5. Monitor cell growth and confluency.
 6. Harvest cells when they reach 70-80% confluency.
 7. Perform a passage or harvest cells as needed.

Incubation Atmosphere 37°C, 5% CO_2 , humidified

Flask Coating None

Freezing Procedure Harvest cells and resuspend in freezing medium. Freeze at -80°C.

Shipping Conditions -78°C

Storage Conditions -150 to 196 K

Product sheet

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