

HROC395Met1 | 300854

Cell line

Description	HROC (Hansestadt Rostock Colorectal cancer) cell line was established from a primary colorectal cancer (MSI MSS) and is characterized by mutations in APC, KRAS, BRAF, PIK3CA and TP53. HROC, which is a cell line derived from a primary colorectal cancer (MSI, MSS) and is characterized by mutations in APC, KRAS, BRAF, PIK3CA and TP53. HROC, which is a cell line derived from a primary colorectal cancer (MSI, MSS) and is characterized by mutations in APC, KRAS, BRAF, PIK3CA and TP53. HROC, which is a cell line derived from a primary colorectal cancer (MSI, MSS) and is characterized by mutations in APC, KRAS, BRAF, PIK3CA and TP53.
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Organism	Human
Tissue	Colorectal cancer
Disease	Colorectal cancer
Metastatic site	None

Cell line characteristics

Age	63 years
Gender	Male
Growth properties	Adherent

Cell line authentication

Citation	HROC395Met1 (Cytion 300854)
Biosafety level	1
NCBI_TaxID	9606

Cell line authentication

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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 $\text{Na}_2\text{S}_2\text{O}_8$, w: 1.2 g/L NaHCO_3 820400a)
Supplements	Insulin Transferrin 10% FBS
Dissociation Reagent	TrypLE Express 15 min 37°C
Freeze medium	DMEM:Ham's F12 (1:1), 10% FBS + 10% DMSO 10 min 37°C
Thawing and Culturing Cells	1. Thaw cells in a water bath at 37°C, add 10% FBS DMEM:Ham's F12 (1:1) medium, and seed into a 25 cm² flask. 2. Incubate cells in a humidified 5% CO₂ incubator at 37°C for 24-48 hours. 3. Remove the medium and replace with fresh DMEM:Ham's F12 (1:1) medium. 4. Pass cells into a new flask when they reach 70-80% confluency. 5. Seed cells into a 96-well plate at a density of 15,000 cells per well. 6. Incubate cells in a humidified 5% CO₂ incubator at 37°C for 24-48 hours. 7. Harvest cells and analyze by flow cytometry.
Incubation Atmosphere	37°C, 5% CO ₂ , humidified
Flask Coating	None
Freezing Procedure	Freeze cells in a freezing medium (DMEM:Ham's F12 (1:1), 10% FBS + 10% DMSO) and store at -80°C.
Shipping Conditions	Ship cells in a dry ice container at -80°C.
Storage Conditions	Store cells in a freezing medium (DMEM:Ham's F12 (1:1), 10% FBS + 10% DMSO) at -80°C for up to 12 months.

Product sheet

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