

Product sheet

HROC284Met | 300816

General information

Description	Cell line derived from a 67-year-old male patient with metastatic colorectal cancer (PD Dr. Michael Linnebacher) (PD Dr. Michael Linnebacher)
Organism	Human
Tissue	Colorectal cancer
Disease	Colorectal cancer
Metastatic site	Metastatic site: CRC (colorectal cancer)

Cell line characteristics

Age	67 years
Gender	Male
Ethnicity	German
Morphology	Epithelial
Growth properties	Adherent

Cell line identification

Citation	HROC284Met1 (Cytion 300816)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1U91

Cell line authentication

Protein expression	PTEN
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Tumorigenic	Yes, tumorigenic in subcutaneous and intramuscular sites
Viruses	None. Tested negative for SV40, JC/BK, HBV, HCV, HIV.
MSI-status	MSS
Mutational profile	K-Rasmut, N-Raswt, H-Raswt, PIK3CAwt, B-Rafwt
Cell lines	None
Culture Medium	DMEM:Ham's F12 (1:1), w: 3.1 g/L D-glucose, w: 2.5 mM L-glutamine, w: 15 mM HEPES, w: 0.5 mM sodium pyruvate, w: 1.2 g/L NaHCO3 820400a)
Supplements	Insulin 10 µg/ml, Transferrin 10 µg/ml, Selenium 10 ng/ml, 10% FBS
Dissociation Reagent	Trypsin/EDTA; 10 min at 37°C, 10 min at 4°C, 10 min at 37°C
Doubling time	29 days
Subculturing	Cells are seeded into 25 cm² flasks in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are passaged when they reach 80-90% confluency. Cells are trypsinized and resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are seeded into 25 cm² flasks in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.
Seeding density	2 x 10 ⁴ cells/cm²
Fluid renewal	3-5 days
Post-Thaw Recovery	100% recovery
Freeze medium	DMEM:Ham's F12 (1:1), 10% FBS, 10% DMSO (10% FBS) + 10% DMSO

