

Product sheet

HROC147 T0 M1 | 300856

General information

Description	Cell line derived from a 54-year-old male patient with a primary colorectal adenocarcinoma (PD Dr. Michael Linnebacher) [1].
Organism	Human
Tissue	Colorectal adenocarcinoma, UICC IV, primary tumor (T3N2M1R0L1V1, G3, L1).
Disease	Colorectal adenocarcinoma
Synonyms	HROC147

Cell line characteristics

Age	54 years
Gender	Male
Ethnicity	German
Morphology	Epithelial cells
Growth properties	Cells grow in monolayers, adherent.

Cell line identification

Citation	HROC147 T0 M1 (Cell line Cytion 300856)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1G09

Cell line authentication

Protein expression	PTEN
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Tumorigenic	Yes, tumorigenic in nude mice and in SCID mice
Viruses	Not tested for SV40, JC/BK, HBV, HCV, HIV.
MSI-status	MSI-L
Mutational profile	APCmut, p53wt, K-Rasmut, B-RAFwt, N-Raswt, H-Raswt, PIK3CAwt
Characteristics	
Culture Medium	DMEM:Ham's F12 (1:1), w: 3.1 g/L Glucose, w: 2.5 mM L-Glutamine, w: 15 mM HEPES, w: 0.5 mM Sodium Pyruvate, w: 1.2 g/L NaHCO ₃ 820400a)
Supplements	Insulin 5 µg/ml, Transferrin 5 µg/ml, Selenium 5 ng/ml, 10% FBS
Dissociation Reagent	Trypsin
Doubling time	29 hours
Subculturing	Cells are grown in 25 cm ² flasks in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. When cells reach confluence, they are trypsinized and resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are then seeded into new flasks at a density of 2 x 10 ⁴ cells per flask.
Seeding density	2 x 10 ⁴ cells/flask
Fluid renewal	3-5 times per week
Post-Thaw Recovery	High
Freeze medium	DMEM:Ham's F12 (1:1), w: 3.1 g/L Glucose, w: 2.5 mM L-Glutamine, w: 15 mM HEPES, w: 0.5 mM Sodium Pyruvate, w: 1.2 g/L NaHCO ₃ 820400a), 10% FBS + 10% DMSO

