

Product sheet

HROC278 T0 M1 | 300835

General information

Description	Cell line derived from a 76-year-old male patient with a primary tumor of the colon (PD Dr. Michael Linnebacher) [1].
Organism	Human
Tissue	Colon, UICC IV, primary tumor, CRC (adenocarcinoma), TNM T4N2M1R0L1V1, G3, Lk(n) +19, Σ Lk(n) 29
Disease	Colorectal cancer
Synonyms	HROC278

Cell line characteristics

Age	76 years
Gender	Male
Ethnicity	German
Morphology	Epithelial cells
Growth properties	Adherent

Cell line identification

Citation	HROC278 T0 M1 (Cell line Cytion 300835)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1U89

Cell line authentication

Protein expression	PTEN
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Tumorigenic	Yes, tumorigenic in subcutaneous and intramuscular sites
Viruses	SV40, JC/BK, HBV, HCV, HIV.
MSI-status	MSI-L
Mutational profile	B-RAFV600E APCwt, p53wt, K-Raswt, N-Raswt, H-Raswt, PIK3CAwt
Cell lines	
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 butyrate, w: 1.2 g/L 820400a)
Supplements	10% FBS
Dissociation Reagent	Trypsin
Doubling time	43 days
Subculturing	Cells are typically passaged every 3-5 days using trypsin. Cells are seeded into T25 flasks, and when they reach 80-90% confluency, they are trypsinized and seeded into new flasks.
Seeding density	2 x 10 ⁴ cells/cm ²
Fluid renewal	3-5 days
Post-Thaw Recovery	High
Freeze 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 butyrate, w: 1.2 g/L 820400a) + 10% DMSO

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A*: '03:01:01, '25:01:01
B*: 07:02:01, 18:01:01
C*: '07:02:01, '12:03:01
DRB1*: 04:01:01
DQA1*: 03:01:01
DQB1*: 03:02:01
DPB1*: 02:01:02
E: 01:01, 01:03