

Product sheet

HROC277 T0 M1 | 300834

Cell Line

Description	Cell line derived from a 77-year-old male patient with a primary tumor of the colon (PD Dr. Michael Linnebacher) [redacted]
Organism	Human
Tissue	Colon, UICC IV, [redacted] CRC [redacted] (TNM T4N0M1R0L0V0, G2, Lk(n))
Disease	Colorectal adenocarcinoma
Synonyms	HROC277

Cell Line Characteristics

Age	77 years
Gender	Male
Ethnicity	[redacted]
Morphology	[redacted]
Growth properties	[redacted]

Cell Line Identification

Citation	HROC277 T0 M1 ([redacted] Cytion 300834)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1U86

Cell Line Specifics

Protein expression	PTEN-
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Tumorigenic	Yes, tumorigenic in SCID-hu mice
Viruses	None. SV40, JC/BK, HBV, HCV, HIV.
MSI-status	MSS
Mutational profile	K-RasG12A, N-Raswt, H-Raswt, PIK3CAwt, B-Rafwt
Characteristics	
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 beta-mercaptoethanol, w: 1.2 g/L NaHCO3 820400a)
Supplements	None. 10% FBS
Dissociation Reagent	None
Doubling time	29 days
Subculturing	None. 100% PBS, 100% T25, 100% 3-5' PBS, 100% 3' PBS, 100% 5' PBS, 100% 10' PBS, 100% 15' PBS, 100% 20' PBS, 100% 25' PBS, 100% 30' PBS, 100% 35' PBS, 100% 40' PBS, 100% 45' PBS, 100% 50' PBS, 100% 55' PBS, 100% 60' PBS, 100% 65' PBS, 100% 70' PBS, 100% 75' PBS, 100% 80' PBS, 100% 85' PBS, 100% 90' PBS, 100% 95' PBS, 100% 100' PBS
Seeding density	2 x 10 ⁴ cells/cm ²
Fluid renewal	3-5 days
Post-Thaw Recovery	None
Freeze medium	None. 100% FBS + 10% DMSO

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Thawing and Culturing Cells

1. Thaw the vial quickly in a 37°C water bath, and transfer the cells to a pre-warmed T25 flask containing 5 ml of complete DMEM medium.
2. Incubate the cells at 37°C in 5% CO₂ until they reach 70-80% confluency. Do not overconfluence the cells.
3. Seed the cells into a 96-well plate (100,000 cells per well) in DMEM medium supplemented with 10% FBS. Incubate for 37 hours at 37°C in 5% CO₂.
4. Harvest the cells and resuspend in DMEM medium supplemented with 10% FBS. Seed into a 96-well plate (100,000 cells per well).
5. Incubate the cells at 37°C in 5% CO₂ until they reach 70-80% confluency. Do not overconfluence the cells.
6. Harvest the cells and resuspend in DMEM medium supplemented with 10% FBS. Seed into a 96-well plate (100,000 cells per well).
7. Incubate the cells at 37°C in 5% CO₂ until they reach 70-80% confluency. Do not overconfluence the cells.
8. Harvest the cells and resuspend in DMEM medium supplemented with 10% FBS. Seed into a 96-well plate (100,000 cells per well).

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating Cell culture flasks should be coated with poly-D-lysine.

Freezing Procedure Harvest cells and resuspend in freezing medium. Seed into a cryovial (100,000 cells per vial) and freeze at -78°C.

Shipping Conditions Cells should be shipped at -78°C.

Storage Conditions Cells should be stored at -150°C for up to 196 weeks.

HEK293T / HEK293T HROC277 / HLA

Sterility Cells are tested for mycoplasma contamination using PCR. Cells are free of mycoplasma contamination.