

Cell Line HROC24 T1 M1 | 300813

General Information

Description	Cell line derived from a 98-year-old male patient with colorectal adenocarcinoma (C10.2) (T1, N0, M0) (UICC I, TNM T2N0M0R0L0V1, G2). Lysates were generated from cells grown in DMEM/F12 (Gibco) supplemented with 10% FBS (Gibco) and 10% HEPES (Gibco) (PDX) (C10.2) (UICC I, TNM T2N0M0R0L0V1, G2). Lysates were generated from cells grown in DMEM/F12 (Gibco) supplemented with 10% FBS (Gibco) and 10% HEPES (Gibco) (PDX) (C10.2) (UICC I, TNM T2N0M0R0L0V1, G2). Lysates were generated from cells grown in DMEM/F12 (Gibco) supplemented with 10% FBS (Gibco) and 10% HEPES (Gibco) (PDX) (C10.2) (UICC I, TNM T2N0M0R0L0V1, G2).
Organism	Human
Tissue	Colorectal adenocarcinoma (C10.2) (T1, N0, M0) (UICC I, TNM T2N0M0R0L0V1, G2). Lysates were generated from cells grown in DMEM/F12 (Gibco) supplemented with 10% FBS (Gibco) and 10% HEPES (Gibco) (PDX) (C10.2) (UICC I, TNM T2N0M0R0L0V1, G2).
Disease	Colorectal adenocarcinoma (C10.2) (T1, N0, M0) (UICC I, TNM T2N0M0R0L0V1, G2).
Metastatic site	Colorectal adenocarcinoma (C10.2) (T1, N0, M0) (UICC I, TNM T2N0M0R0L0V1, G2).
Applications	Cell line derived from a 98-year-old male patient with colorectal adenocarcinoma (C10.2) (T1, N0, M0) (UICC I, TNM T2N0M0R0L0V1, G2). Lysates were generated from cells grown in DMEM/F12 (Gibco) supplemented with 10% FBS (Gibco) and 10% HEPES (Gibco) (PDX) (C10.2) (UICC I, TNM T2N0M0R0L0V1, G2).
Synonyms	HROC24x

Cell Line Characteristics

Age	98 years
Gender	Male
Ethnicity	German
Morphology	Epithelial cells
Cell type	Colorectal adenocarcinoma (C10.2) (T1, N0, M0) (UICC I, TNM T2N0M0R0L0V1, G2).
Growth properties	Highly proliferative

Cell Line Identification

Citation	HROC24 T1 M1 (C10.2) (UICC I, TNM T2N0M0R0L0V1, G2) (Cytion 300813)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1U80

Product sheet

MSI-HROC24 T1 M1 | 300813

GMO Status MSI-HROC24 T1 M1 is a genetically modified cell line derived from a human colorectal cancer cell line (CRC) and is not a transgenic cell line, therefore it is not subject to the EU Directive on GMOs.

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Tumorigenic Yes, tumorigenic in nude mice

Viruses SV40, JC/BK, HBV, HCV, HIV.

Ploidy status Diploid

MSI-status MSI-H

Mutational profile APCmut, p53wt, K-Raswt, N-Raswt, H-Ras wt, B-RAFV600E, PIK3CAwt

Cell line source Human colorectal cancer

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 10% FBS

Dissociation Reagent Trypsin

Doubling time 20 days

Subculturing Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. For subculturing, cells are trypsinized and resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are seeded in T25 flasks at a density of 2 x 10⁴ cells per flask. Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are harvested at confluence.

Split ratio 1:3

Seeding density 2 x 10⁴ cells/flask

Fluid renewal 3-5 days

Post-Thaw Recovery 100% recovery

Freeze medium DMEM:Ham's F12 (1:1) supplemented with 10% FBS + 10% DMSO

