

Product sheet

HCT-8 (HRT-18) | 300210

General Information

Description HCT-8 is a human colorectal adenocarcinoma cell line. It is a highly metastatic cell line that is sensitive to 5-fluorouracil and methotrexate. HCT-8 cells are derived from a 67-year-old male patient with a primary tumor in the sigmoid colon. The cells are characterized by their ability to form spheroids in suspension culture and their high tumorigenicity in nude mice. HCT-8 cells are widely used in cancer research, particularly in studies related to drug resistance and metastasis.

Organism Human

Tissue Colon

Disease Colorectal adenocarcinoma

Synonyms HCT 8, HCT8, HCT8

Cell Characteristics

Age 67 years

Gender Male

Morphology Epithelial

Growth properties Adherent

Identification

Citation HCT-8 (ATCC CCL-248) | 300210

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_2478

Ordering Information

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Antigen expression	CDx (+/-) CDy (-),
Isoenzymes	AK-1, 1, ES-D, 1-2, GLO-1, 2, G6PD, B, PGM1, 1, PGM3, 1, Me-2, 1
Tumorigenic	Not tumorigenic
Viruses	Not tested
Products	Cell culture supernatant (CEA) 0.5 ng/ml
Mutational profile	HRT-18 mutation: GGC(Wt Gly)>GAC(Asp)
Characteristics	
Culture Medium	DMEM: DMEM:Ham's F12 (1:1) 3.1 mg/ml 2.5 mg/ml 15 mg/ml (15 mg/ml)
Supplements	10% FBS
Dissociation Reagent	Not applicable
Doubling time	15 days
Subculturing	1:2 to 1:10 in DMEM:Ham's F12 (1:1) 3.1 mg/ml 2.5 mg/ml 15 mg/ml (15 mg/ml) + 10% FBS
Seeding density	2 x 10 ⁴ cells/ml
Fluid renewal	2-3 times per week
Post-Thaw Recovery	Not applicable
Freeze medium	DMEM:Ham's F12 (1:1) 3.1 mg/ml 2.5 mg/ml 15 mg/ml (15 mg/ml) + 10% DMSO + 10% FBS

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A*: '02:01:01, '24:02:01
B*: '08:01:01, '35:01:01
C*: '04:01:01, '07:01:01
DRB1*: '03:01:01, '14:54:01
DQA1*: '01:04:01, '05:01:01
DQB1*: '02:01:01, '05:03:01
DPB1*: '01:01:01, '04:01:01
E: '01:03:01X'01:01:02X'01:01