

Cell HCT-8 (HRT-18) | 300210

General information

Description	Cell HCT-8, derived from a human colorectal adenocarcinoma, is a highly tumorigenic cell line. It is characterized by its ability to form tumors in nude mice. The cells are epithelial in origin and exhibit typical features of malignant cells, including rapid growth and resistance to apoptosis. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS). The cells are typically grown in 96-well plates at a density of 10,000 cells per well. The cells are characterized by their ability to form tumors in nude mice. The cells are epithelial in origin and exhibit typical features of malignant cells, including rapid growth and resistance to apoptosis. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS). The cells are typically grown in 96-well plates at a density of 10,000 cells per well.
Organism	Human
Tissue	Colorectal adenocarcinoma
Disease	Colorectal cancer
Synonyms	HCT 8, HCT8

Cell characteristics

Age	67 years
Gender	Male
Morphology	Epithelial cells
Growth properties	Highly tumorigenic

Cell line identification

Citation	HCT-8 (Cell Line) Cytion 300210
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_2478

Cell line maintenance

Product sheet

HEP-2 (HRT-18) | 300210

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 infectious
Products	HEP-2 (CEA) 0.5 ng/10 exp6 cells/10 cells, HEP-2 (CEA) 0.5 ng/10 cells, HEP-2 (CEA) 0.5 ng/10 cells
Mutational profile	HEP-2 HRT-18 Not tumorigenic Not tumorigenic 13 cells Kras: GGC(Wt Gly) >GAC(Asp)
HEP-2	
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 NaHCO3 820400a)
Supplements	HEP-2 10% FBS
Dissociation Reagent	Trypsin
Doubling time	15 days
Subculturing	HEP-2 cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are passaged by trypsinization into T25, 3-5 x 10^5 cells/PBS, 3 x 10^5 cells. HEP-2 cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are passaged by trypsinization into T25, 3-5 x 10^5 cells/PBS, 3 x 10^5 cells.
Seeding density	2 x 10^4 x 10^4 cells/cm^2
Fluid renewal	2 x 3 days
Post-Thaw Recovery	HEP-2
Freeze medium	HEP-2 cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are passaged by trypsinization into T25, 3-5 x 10^5 cells/PBS, 3 x 10^5 cells. HEP-2 cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are passaged by trypsinization into T25, 3-5 x 10^5 cells/PBS, 3 x 10^5 cells.

HEK293T HCT-8 (HRT-18) | 300210

**Thawing and
Culturing Cells**

1. HEK293T cells are delivered as a cryopreserved cell suspension. Upon receipt, the cells should be thawed immediately in a water bath at 37°C. The cells should be transferred to a pre-warmed medium and centrifuged at 300 x g for 5 minutes. The supernatant should be removed, and the cells should be resuspended in a pre-warmed medium. The cells should be seeded into a pre-warmed medium and incubated at 37°C, 5% CO₂.
2. HEK293T cells should be seeded into a pre-warmed medium at a density of 1.5 x 10⁵ cells per well. The cells should be incubated at 37°C, 5% CO₂ for 24 hours. The medium should be replaced with a fresh medium.
3. HEK293T cells should be seeded into a pre-warmed medium at a density of 1.5 x 10⁵ cells per well. The cells should be incubated at 37°C, 5% CO₂ for 24 hours. The medium should be replaced with a fresh medium.
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5. HEK293T cells should be seeded into a pre-warmed medium at a density of 1.5 x 10⁵ cells per well. The cells should be incubated at 37°C, 5% CO₂ for 24 hours. The medium should be replaced with a fresh medium.
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**Incubation
Atmosphere**

37°C, 5% CO₂, humidified air

Flask Coating

Not required

**Freezing
Procedure**

HEK293T cells should be seeded into a pre-warmed medium at a density of 1.5 x 10⁵ cells per well. The cells should be incubated at 37°C, 5% CO₂ for 24 hours. The medium should be replaced with a fresh medium.

**Shipping
Conditions**

HEK293T cells should be seeded into a pre-warmed medium at a density of 1.5 x 10⁵ cells per well. The cells should be incubated at 37°C, 5% CO₂ for 24 hours. The medium should be replaced with a fresh medium.

**Storage
Conditions**

HEK293T cells should be seeded into a pre-warmed medium at a density of 1.5 x 10⁵ cells per well. The cells should be incubated at 37°C, 5% CO₂ for 24 hours. The medium should be replaced with a fresh medium.

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Sterility

HEK293T cells should be seeded into a pre-warmed medium at a density of 1.5 x 10⁵ cells per well. The cells should be incubated at 37°C, 5% CO₂ for 24 hours. The medium should be replaced with a fresh medium.

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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: 01:03:02, 01:xx