

Product sheet

HROC113 | 300803

General information

Description	Cell line derived from a 41-year-old male patient with a primary tumor of the colon (PD Dr. Michael Linnebacher) [1].
Organism	Human
Tissue	Colon, UICC IV
Disease	Colorectal adenocarcinoma, TNM T4N2M0R0, G3, Lk(n) +5, Σ Lk(n) 45
Synonyms	HROC113P

Cell line characteristics

Age	41 years
Gender	Male
Ethnicity	German
Morphology	Epithelial cells
Growth properties	Adherent

Identification and safety

Citation	HROC113 (Cell line) Cytion 300803
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_S852

Protein expression and analysis

Protein expression	PTEN
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Tumorigenic	Yes, tumorigenic in nude mice and in SCID mice
Viruses	HEp-2 is immortalized by SV40, JC/BK, HBV, HCV, HIV.
Ploidy status	Diploid
MSI-status	MSI-H
Mutational profile	TP53, APC, K-RasG12VA, N-Raswt, H-Raswt, PIK3CAwt, B-Rafwt
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 requires 10% FBS
Dissociation Reagent	Trypsin
Doubling time	23 hours
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 per T25 flask, or 3 x 10^4 cells per 96-well plate. Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.
Seeding density	2 x 10^4 cells/cm^2
Fluid renewal	3-5 times
Post-Thaw Recovery	High
Freeze medium	HEp-2 cells are frozen in DMEM:Ham's F12 (1:1) supplemented with 10% FBS + 10% DMSO. Cells are frozen in DMEM:Ham's F12 (1:1) supplemented with 10% FBS + 10% DMSO.

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**Thawing and
Culturing Cells**

1. 将细胞冻存管放入 37°C 水浴中快速解冻，离心 5 分钟，将上清液转移到含有 10 mL 完全培养基的细胞培养瓶中，离心 5 分钟，弃去上清液。
2. 将细胞悬液接种到含有 10 mL 完全培养基的细胞培养瓶中，离心 5 分钟，弃去上清液。
3. 将细胞悬液接种到含有 10 mL 完全培养基的细胞培养瓶中，离心 5 分钟，弃去上清液。
4. 将细胞悬液接种到含有 10 mL 完全培养基的细胞培养瓶中，离心 5 分钟，弃去上清液。
5. 将细胞悬液接种到含有 10 mL 完全培养基的细胞培养瓶中，离心 5 分钟，弃去上清液。
6. 将细胞悬液接种到含有 10 mL 完全培养基的细胞培养瓶中，离心 5 分钟，弃去上清液。
7. 将细胞悬液接种到含有 10 mL 完全培养基的细胞培养瓶中，离心 5 分钟，弃去上清液。
8. 将细胞悬液接种到含有 10 mL 完全培养基的细胞培养瓶中，离心 5 分钟，弃去上清液。

**Incubation
Atmosphere**

37°C, 5% CO₂, 饱和湿度

Flask Coating

无涂层

**Freezing
Procedure**

将细胞悬液接种到含有 10 mL 完全培养基的细胞培养瓶中，离心 5 分钟，弃去上清液。

**Shipping
Conditions**

将细胞悬液接种到含有 10 mL 完全培养基的细胞培养瓶中，离心 5 分钟，弃去上清液。

**Storage
Conditions**

将细胞悬液接种到含有 10 mL 完全培养基的细胞培养瓶中，离心 5 分钟，弃去上清液。

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Sterility

将细胞悬液接种到含有 10 mL 完全培养基的细胞培养瓶中，离心 5 分钟，弃去上清液。