

Product sheet

**HROC59 T1 M1 | 300826**

**General information**

<b>Description</b>	Cell line derived from a 76-year-old male patient with colorectal adenocarcinoma (PD Dr. Michael Linnebacher) [ref]
<b>Organism</b>	Human
<b>Tissue</b>	Colorectal adenocarcinoma, UICC IV, TNM T3N1M1R0L1V0, G2, Lk(n) + 1, $\Sigma$ Lk(n) 27 [ref]
<b>Disease</b>	Colorectal adenocarcinoma
<b>Synonyms</b>	HROC59

**Donor information**

<b>Age</b>	76 years
<b>Gender</b>	Male
<b>Ethnicity</b>	German
<b>Morphology</b>	Epithelial
<b>Growth properties</b>	Adherent

**Identification and safety**

<b>Citation</b>	HROC59 T1 M1 (Cell Line Catalogue Cytion 300826)
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606
<b>CellosaurusAccession</b>	CVCL_1G04

**Genetic and protein expression**

<b>Protein expression</b>	PTEN-
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**HEK293T HROC59 T1 M1 | 300826**

**Thawing and Culturing Cells**

1. **Thawing:** Thaw the vial immediately in a 37°C water bath. Transfer the cells to a pre-warmed T25 flask containing 10 mL of complete DMEM medium.
2. **Medium:** Use DMEM supplemented with 10% FBS for the first 24 hours. After 24 hours, replace with DMEM supplemented with 1% FBS.
3. **Seeding:** Seed cells into a T25 flask at a density of 1.5 x 10<sup>6</sup> cells per flask. Allow cells to reach 70-80% confluency.
4. **Passaging:** Once cells reach 70-80% confluency, passage them into a T75 flask at a density of 1.5 x 10<sup>6</sup> cells per flask.
5. **Freezing:** For long-term storage, seed cells into a 300 x g microcentrifuge tube at a density of 3 x 10<sup>6</sup> cells per tube. Add 1 mL of freezing medium and freeze at -80°C.
6. **Shipping:** Ship frozen cells on dry ice to the recipient. Upon receipt, thaw immediately in a 37°C water bath.
7. **Storage:** Store frozen cells at -80°C. Do not store at -150°C.
8. **HLA:** HEK293T cells are HLA-negative.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, humidified

**Flask Coating** Non-adherent

**Freezing Procedure** Seed cells into a 300 x g microcentrifuge tube at a density of 3 x 10<sup>6</sup> cells per tube. Add 1 mL of freezing medium and freeze at -80°C.

**Shipping Conditions** Ship frozen cells on dry ice to the recipient. Upon receipt, thaw immediately in a 37°C water bath.

**Storage Conditions** Store frozen cells at -80°C. Do not store at -150°C.

**HEK293T / HEK293T / HLA**

**Sterility** HEK293T cells are mycoplasma-free. PCR screening for mycoplasma contamination is recommended.