

Product sheet

RCC-FG1 | 300248

General Information

<b>Description</b>	Cell line derived from a 69-year-old male patient with pT2a, M1/GII renal cell carcinoma (RCC) in 1999, primary site: kidney. Cell line established from primary tumor tissue.
<b>Organism</b>	Human
<b>Tissue</b>	Kidney
<b>Disease</b>	Renal cell carcinoma (RCC), pT2a, M1/ GII
<b>Synonyms</b>	KTCTL-26, KTCTL26, RCCFG1

Cell Line Characteristics

<b>Age</b>	69 years
<b>Gender</b>	Male
<b>Ethnicity</b>	White
<b>Morphology</b>	Epithelial cells
<b>Growth properties</b>	Adherent, 2D, 3D

Identification & Safety

<b>Citation</b>	RCC-FG1 (Cell Line) Cytion 300248
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606
<b>CellosaurusAccession</b>	CVCL_5872

Surface Markers & Antigens

<b>Surface antigens</b>	CD8, CD18, CD19, CD44
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**Thawing and Culturing Cells**

1. Thaw the vial rapidly in a 37°C water bath. Do not vortex. Transfer the cells to a pre-warmed medium.
2. Centrifuge at 300 x g for 3 minutes. Resuspend in 15 µl of medium. Seed into 8 µl of medium.
3. Incubate at 37°C in 5% CO<sub>2</sub> for 24 hours. Replace the medium with fresh medium.
4. Seed into a 96-well plate (10 µl per well). Incubate at 37°C in 5% CO<sub>2</sub> for 24 hours.
5. Harvest the cells by centrifugation at 300 x g for 3 minutes. Resuspend in 100 µl of lysis buffer.
6. Add 10 µl of lysis buffer to the cells. Incubate at 37°C for 10 minutes.
7. Add 10 µl of lysis buffer to the cells. Incubate at 37°C for 10 minutes.
8. Add 10 µl of lysis buffer to the cells. Incubate at 37°C for 10 minutes.

**Incubation Atmosphere**

37°C, 5% CO<sub>2</sub>, humidified

**Flask Coating**

Coated with Cell Adhesion Factor (CAF) for optimal cell attachment.

**Freezing Procedure**

Resuspend cells in freezing medium. Freeze at -80°C.

**Shipping Conditions**

Store at -80°C during shipping.

**Storage Conditions**

Store at -150°C for up to 196 months.

**HLA**

**Sterility**

Tested for sterility by PCR.

Tested for mycoplasma contamination.

**██████ RCC-FG1 | 300248**

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**██████ HLA**

**A\*:** '03:01:01, '32:01:01

**B\*:** '27:05:02, '35:01:01

**C\*:** '02:02:02, '04:01:01

**DRB1\*:** '01:01:01, '15:01:01G

**DQA1\*:** '01:01:01, '01:02:01

**DQB1\*:** '05:01:01, '06:02:01

**DPB1\*:** 04:01:01

**E:** '01:01:01, '01:06:01