

Product sheet

RCC-FG1 | 300248

General Information

Description	Cell line derived from a 69-year-old male patient with renal cell carcinoma (RCC), pT2a, M1/GII. Established in 1999, maintained in RPMI-1640 medium supplemented with 10% FBS.
Organism	Human
Tissue	Renal cell carcinoma
Disease	Renal cell carcinoma, pT2a, M1/ GII
Synonyms	KTCTL-26, KTCTL26, RCCFG1

Cell Characteristics

Age	69 years
Gender	Male
Ethnicity	White
Morphology	Epithelial cells
Growth properties	Adherent, growing in RPMI-1640 medium supplemented with 10% FBS.

Identification & Safety

Citation	RCC-FG1 (Cell line) Cytion 300248
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_5872

Surface Markers & Antigens

Surface antigens	CD8, CD18, CD19, CD44, CD47, CD133
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Thawing and Culturing Cells

1. Thaw the vial rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a pre-warmed flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂.
3. Once the cells have reached confluence, they can be used for experiments or passaged. Passaging should be performed using a 1:3 split ratio.
4. The cells should be passaged every 2-3 days to maintain them in the exponential growth phase.
5. The cells should be passaged into a flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂.
6. The cells should be passaged into a flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂.
7. The cells should be passaged into a flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂.
8. The cells should be passaged into a flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂.

Incubation Atmosphere 37°C, 5% CO₂, humidified air

Flask Coating None

Freezing Procedure Harvest cells into a pre-cooled tube containing 1 mL of freezing medium. Store at -80°C.

Shipping Conditions Store at -80°C.

Storage Conditions Store at -150°C for up to 196 weeks.

Genotype / HLA

Sterility The cells are free of mycoplasma, endotoxin, and other contaminants. PCR screening is performed for common viruses.

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XXXXXX STR

Amelogenin: x,y
CSF1PO: 11
D13S317: 11,12
D16S539: 11,13
D5S818: 10, 11, 12
D7S820: 10, 11, 12
TH01: 9
TPOX: 8,11
vWA: 18,19
D3S1358: 16
D21S11: 29,3
D18S51: 14,17
Penta E: 12,17
Penta D: 9, 13, 18
D8S1179: 12, 13, 15
FGA: 19,23

XXXXXX 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