

Product sheet

**RCC-GS | 300241**

**General information**

<b>Description</b>	Human renal cell carcinoma, pT3b, M1/ GIII (metastatic) cell line established in 1999.
<b>Organism</b>	Human
<b>Tissue</b>	Kidney
<b>Disease</b>	Renal cell carcinoma, pT3b, M1/ GIII (metastatic)
<b>Synonyms</b>	KTCTL-185, KTCTL185, RCCGS

**Cell characteristics**

<b>Age</b>	56 years
<b>Gender</b>	Male
<b>Ethnicity</b>	White
<b>Morphology</b>	Epithelial cells
<b>Growth properties</b>	Adherent, suspension

**Documentation**

<b>Citation</b>	RCC-GS (Cytion 300241)
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606
<b>CellosaurusAccession</b>	CVCL_5875

**Antigen presentation**

<b>Surface antigens</b>	CD8, CD18, CD19, CD44
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<b>Protein expression</b>	IL8
<b>Tumorigenic</b>	Yes, tumorigenic in immunodeficient mice
<b>Mutational profile</b>	IL8 RS1126647 3-UTR SNP T>T
<b>Characteristics</b>	
<b>Culture Medium</b>	McCoy's 5a, w: 3.0 g/L $\beta$ -glucose, w: 100 mg/L $\beta$ -glucose, w: 2.0 mM $\beta$ -glucose, w: 2.2 g/L NaHCO <sub>3</sub> (Cytion 820200a)
<b>Supplements</b>	10% FBS
<b>Dissociation Reagent</b>	Trypsin
<b>Subculturing</b>	Cells are cultured in McCoy's 5a medium supplemented with 10% FBS. For passaging, cells are trypsinized and resuspended in McCoy's 5a medium supplemented with 10% FBS. Cells are seeded into T25 flasks at a density of 1 x 10 <sup>4</sup> cells per flask. Cells are passaged every 3-5 days. Cells are maintained in McCoy's 5a medium supplemented with 10% FBS.
<b>Split ratio</b>	1:2 or 1:4
<b>Seeding density</b>	1 x 10 <sup>4</sup> cells/flask
<b>Fluid renewal</b>	2-3 times per week
<b>Post-Thaw Recovery</b>	After thawing, cells are seeded into T25 flasks in McCoy's 5a medium supplemented with 10% FBS. Cells are maintained in McCoy's 5a medium supplemented with 10% FBS for 48 hours before use.
<b>Freeze medium</b>	McCoy's 5a medium supplemented with 10% FBS and 10% DMSO (Cytion FBS) + 10% DMSO

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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% CO<sub>2</sub>.
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. For passaging, use a 10 mL pipette to transfer 3 mL of medium from the flask to a new flask containing 15 mL of medium.
5. The cells should reach confluence within 24-48 hours. Once confluent, they can be used for experiments or passaged.
6. For long-term storage, the cells can be cryopreserved. Cryopreservation should be performed using a cryoprotectant solution.
7. The cells should be stored at -150°C. Thawing should be performed as described above.
8. The cells should be used within 12 months of cryopreservation.

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

**Flask Coating** None

**Freezing Procedure** Seed cells into a flask containing 15 mL of medium. Add 1 mL of cryoprotectant solution. Freeze at -80°C.

**Shipping Conditions** Store at -80°C. Ship on dry ice.

**Storage Conditions** Store at -150°C. Shelf life: 196 months.

Genotype / HLA

**Sterility** The cells are free of mycoplasmas and other contaminants. PCR screening is performed for mycoplasmas.

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**████████ STR**

**Amelogenin:** x,x  
**CSF1PO:** 10,11  
**D13S317:** 8,14  
**D16S539:** 9,12  
**D5S818:** 11,12  
**D7S820:** 8,1  
**TH01:** 9  
**TPOX:** 8  
**vWA:** 16,18  
**D3S1358:** 16  
**D21S11:** 31  
**D18S51:** 14  
**Penta E:** 8,1  
**Penta D:** 11  
**D8S1179:** 8,11  
**FGA:** 24  
**PEZ6:** HROG36