

Product sheet

RCC-LR | 300236

General information

Description	Cell line derived from a 63-year-old male patient with renal cell carcinoma (RCC) pT3a, No, M1/GIII. HLA-A2.1 positive.
Organism	Human
Tissue	Kidney
Disease	Renal cell carcinoma (RCC)
Synonyms	KTCTL120, RCC-LR

Cell characteristics

Age	63 years
Gender	Male
Ethnicity	White
Morphology	Epithelial cells
Growth properties	Adherent, growing in DMEM/F12

Documentation and safety

Citation	RCC-LR (Cytion 300236)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_5883

Surface markers and antigens

Surface antigens	CD8, CD18, CD19, CD45
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**Thawing and
Culturing Cells**

1. **Thawing:** Thaw the vial quickly in a water bath at 37°C. Transfer the cells to a pre-warmed tube and centrifuge at 300 x g for 5 minutes. Remove the supernatant and resuspend the cells in 1 ml of pre-warmed medium.
2. **Seeding:** Seed the cells into a 25 cm² flask containing 15 ml of pre-warmed medium. The seeding density is approximately 1.5 x 10⁶ cells per flask.
3. **Medium Change:** After 24 hours, replace the medium with fresh pre-warmed medium.
4. **Confluency:** The cells reach confluency within 48-72 hours. Harvest the cells when the confluency is between 70% and 90%.
5. **Passaging:** Use trypsin-EDTA to detach the cells. Seed them into a new flask with fresh medium.
6. **Storage:** Cells can be stored in liquid nitrogen for long-term storage. Freeze the cells in a freezing medium.
7. **Quality Control:** Perform PCR genotyping to confirm the cell identity.
8. **Authentication:** Authenticate the cells using STR analysis.

**Incubation
Atmosphere**

37°C, 5% CO₂, humidified

Flask Coating

Not required

**Freezing
Procedure**

Cells are frozen in a freezing medium and stored in liquid nitrogen at -196°C.

**Shipping
Conditions**

Cells are shipped in a dry ice container at -78°C.

**Storage
Conditions**

Cells are stored in liquid nitrogen at -196°C.

Genotyping and Authentication

Sterility

Cells are tested for mycoplasma contamination using PCR. The results are negative. The cells are also tested for endotoxin and are found to be free of endotoxin.

