

Product sheet

RCC-ER | 300238

General Information

Description	Cell line derived from a 57-year-old male patient with renal cell carcinoma (RCC), pT3a, N1, Mx/GIII, CVCL_5870.
Organism	Human
Tissue	Renal cell carcinoma
Disease	Renal cell carcinoma (RCC), pT3a, N1, Mx/GII
Synonyms	KTCTL-13, KTCTL13, KTCTL 13, RCCER

Cell Culture

Age	57 years
Gender	Male
Ethnicity	White
Morphology	Epithelial cells
Growth properties	Adherent, growing in DMEM

Documentation

Citation	RCC-ER (Cell Culture) Cytion 300238
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_5870

Antigen Expression

Surface antigens	CD8, CD18, CD19, CD44, CD45
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Protein expression	P53, IL8
Tumorigenic	
Mutational profile	IL8 RS1126647 3-UTR Wt
Cell Line	
Culture Medium	RPMI 1640, w: 2.0 mM, w: 2.0 g/L NaHCO3 (Cytion 820700a)
Supplements	10% FBS
Dissociation Reagent	
Subculturing	1:3 - 1:5 in RPMI 1640, w: 2.0 mM, w: 2.0 g/L NaHCO3 (Cytion 820700a) + 10% FBS
Seeding density	1×10^4 cells/cm ²
Fluid renewal	1:2
Post-Thaw Recovery	24 hours
Freeze medium	RPMI 1640, w: 2.0 mM, w: 2.0 g/L NaHCO3 (Cytion 820700a) + 10% FBS + 10% DMSO

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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 150 µl of medium. Incubate at 37°C for 24 hours.
3. Seed cells into a 96-well plate (15 µl per well). Incubate at 37°C for 24 hours.
4. Harvest cells into a microcentrifuge tube. Wash with PBS. Resuspend in 100 µl of PBS.
5. Count cells using a hemacytometer. Adjust concentration to 1 x 10⁶ cells/ml.
6. Seed cells into a 96-well plate (15 µl per well). Incubate at 37°C for 24 hours.
7. Harvest cells into a microcentrifuge tube. Wash with PBS. Resuspend in 100 µl of PBS.
8. Store cells at -150°C for long-term storage.

Incubation Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

Coated with poly-L-lysine

Freezing Procedure

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

Shipping Conditions

Store at -80°C

Storage Conditions

Store at -150°C for 196 weeks

HLA

Sterility

PCR negative

Endotoxin free

██████ RCC-ER | 300238

██████ HLA

A*: '02:01:01, '24:02:01

B*: 13:02:01, 35:01:01

C*: 04:01:01, 06:02:01

DRB1*: 07:01:01, 13:01:01

DQA1*: '01:03:01, '02:01:01

DQB1*: 02:02:01, 06:03:01

DPB1*: 04:01:01

E: 01:01:01