

Product sheet

RCC-JW | 300244

General information

Description	Cell line derived from a 46-year-old male patient with renal cell carcinoma (RCC), pT2, Mx, M1/ GII
Organism	Human
Tissue	Renal cell carcinoma
Disease	Renal cell carcinoma
Synonyms	KTCTL-195, KTCTL195, RCCJW

Characteristics

Age	46 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Adherent, suspension

Documentation

Citation	RCC-JW (Cytion 300244)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_5880

Antigen expression

Surface antigens	CD8, CD18, CD19, CD44
-------------------------	-----------------------

IL8 RCC-JW | 300244

Protein expression	IL8
Mutational profile	IL8 RS1126647 3-UTR Wt

IL8

Culture Medium	McCoys 5a, w: 3.0 g/L $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$, w: 0.1 g/L $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$, w: 2.0 mM CaCl_2 , w: 2.2 g/L NaHCO_3 (Cytion 820200a)
-----------------------	---

Supplements	CaCl_2 10% FBS
--------------------	-------------------------

Dissociation Reagent	CaCl_2
-----------------------------	-----------------

Subculturing	IL8 cells are cultured in McCoys 5a medium supplemented with 10% FBS. For subculturing, cells are trypsinized with 0.25% trypsin-EDTA (Cytion 820200a) for 5-10 minutes at 37°C. Cells are then washed with PBS and resuspended in fresh medium.
---------------------	--

Split ratio	1:2 or 1:3
--------------------	------------

Fluid renewal	1:2 or 1:3
----------------------	------------

Freeze medium	IL8 cells are frozen in a freezing medium consisting of 90% FBS + 10% DMSO.
----------------------	---

RCC-JW | 300244

Thawing and Culturing Cells

1. Thaw the vial rapidly in a water bath at 37°C. Do not allow the vial to touch the bottom of the water bath. Remove the vial from the water bath and wipe the outside with a sterile alcohol swab. Transfer the contents to a pre-warmed 15 mL centrifuge tube.
2. Add 10 mL of pre-warmed complete medium to the tube. Gently mix the cells by pipetting up and down. Centrifuge at 300 x g for 3 minutes at 4°C. Remove the supernatant and resuspend the cells in 10 mL of pre-warmed complete medium.
3. Count the cells using a hemacytometer. Seed the cells into a 75 cm² flask at a density of 1.5 x 10⁶ cells per flask. Incubate at 37°C with 5% CO₂.
4. Once the cells have reached confluence, passage them into a new 75 cm² flask. Use a trypsin-EDTA solution to detach the cells. Wash the cells with PBS and resuspend them in 10 mL of pre-warmed complete medium.
5. Seed the cells into a 75 cm² flask at a density of 1.5 x 10⁶ cells per flask. Incubate at 37°C with 5% CO₂.
6. Once the cells have reached confluence, passage them into a new 75 cm² flask. Use a trypsin-EDTA solution to detach the cells. Wash the cells with PBS and resuspend them in 10 mL of pre-warmed complete medium.
7. Seed the cells into a 75 cm² flask at a density of 1.5 x 10⁶ cells per flask. Incubate at 37°C with 5% CO₂.
8. Once the cells have reached confluence, passage them into a new 75 cm² flask. Use a trypsin-EDTA solution to detach the cells. Wash the cells with PBS and resuspend them in 10 mL of pre-warmed complete medium.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Harvest cells into a 15 mL centrifuge tube. Wash with PBS and resuspend in 10 mL of freezing medium. Centrifuge at 300 x g for 3 minutes at 4°C. Resuspend the pellet in 1 mL of freezing medium. Aliquot into 1 mL vials and store at -80°C.

Shipping Conditions Dry ice, -80°C

Storage Conditions -150°C, 196 K, liquid nitrogen

Genotype / HLA

Sterility PCR confirmed, mycoplasma free, endotoxin free

██████████RCC-JW | 300244

██████████STR

Amelogenin: x,y

CSF1PO: 10,11

D13S317: 8,12

D16S539: 10,11

D5S818: 11,12

D7S820: 8,11

TH01: 6,8

TPOX: 8

vWA: 17,18

D3S1358: 16

D21S11: 28,3

D18S51: 16

Penta E: 7

Penta D: 12,13

D8S1179: 13

FGA: 22

PEZ6: HS-683