

OS-RC-2 | 305086

Cell Line

Description	OS-RC-2 is a cell line derived from a patient with renal cell carcinoma (RCC). It is a highly tumorigenic cell line that grows in suspension. OS-RC-2 cells are characterized by their ability to form xenografts in immunodeficient mice. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS). OS-RC-2 cells are highly tumorigenic and form xenografts in immunodeficient mice. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS). OS-RC-2 cells are highly tumorigenic and form xenografts in immunodeficient mice. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS).
Organism	Human
Tissue	Kidney
Disease	Renal cell carcinoma
Synonyms	OSRC2, RC-2

Characteristics

Age	52 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Highly tumorigenic

Cell Line Characteristics

Citation	OS-RC-2 (Cell Line) Cytion 305086
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1626

Cell Line Characteristics

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Tumorigenic ☒

Characteristics

Culture Medium RPMI 1640, w: 2.0 mM **Glutamine**, w: 2.0 g/L NaHCO₃ (**Glutamine** **Glutamine** **Glutamine** Cytion 820700a)

Supplements **Glutamine** **Glutamine** 10% FBS

Dissociation Reagent **Trypsin**

Subculturing **Cells** **are** **passaged** **into** **new** **flasks** **when** **confluency** **reaches** **approximately** **80-90%**. **Cells** **are** **trypsinized** **and** **resuspended** **in** **DMEM** **containing** **10% FBS**. **Cells** **are** **then** **plated** **into** **new** **flasks** **at** **a** **split** **ratio** **of** **1:2** **to** **1:4**.

Split ratio 1:2 **to** 1:4

Fluid renewal 2 **to** 3 **times** **per** **week**

Freeze medium **Cells** **are** **trypsinized** **and** **resuspended** **in** **DMEM** **containing** **10% FBS** **and** **10% DMSO**. **Cells** **are** **then** **plated** **into** **new** **flasks** **at** **a** **split** **ratio** **of** **1:2** **to** **1:4**.

Thawing and Culturing Cells

1. **Cells** **are** **trypsinized** **and** **resuspended** **in** **DMEM** **containing** **10% FBS**. **Cells** **are** **then** **plated** **into** **new** **flasks** **at** **a** **split** **ratio** **of** **1:2** **to** **1:4**.
2. **Cells** **are** **trypsinized** **and** **resuspended** **in** **DMEM** **containing** **10% FBS**. **Cells** **are** **then** **plated** **into** **new** **flasks** **at** **a** **split** **ratio** **of** **1:2** **to** **1:4**.
3. **Cells** **are** **trypsinized** **and** **resuspended** **in** **DMEM** **containing** **10% FBS**. **Cells** **are** **then** **plated** **into** **new** **flasks** **at** **a** **split** **ratio** **of** **1:2** **to** **1:4**.
4. **Cells** **are** **trypsinized** **and** **resuspended** **in** **DMEM** **containing** **10% FBS**. **Cells** **are** **then** **plated** **into** **new** **flasks** **at** **a** **split** **ratio** **of** **1:2** **to** **1:4**.
5. **Cells** **are** **trypsinized** **and** **resuspended** **in** **DMEM** **containing** **10% FBS**. **Cells** **are** **then** **plated** **into** **new** **flasks** **at** **a** **split** **ratio** **of** **1:2** **to** **1:4**.
6. **Cells** **are** **trypsinized** **and** **resuspended** **in** **DMEM** **containing** **10% FBS**. **Cells** **are** **then** **plated** **into** **new** **flasks** **at** **a** **split** **ratio** **of** **1:2** **to** **1:4**.
7. **Cells** **are** **trypsinized** **and** **resuspended** **in** **DMEM** **containing** **10% FBS**. **Cells** **are** **then** **plated** **into** **new** **flasks** **at** **a** **split** **ratio** **of** **1:2** **to** **1:4**.
8. **Cells** **are** **trypsinized** **and** **resuspended** **in** **DMEM** **containing** **10% FBS**. **Cells** **are** **then** **plated** **into** **new** **flasks** **at** **a** **split** **ratio** **of** **1:2** **to** **1:4**.

Product sheet

OS-RC-2 | 305086

Incubation
Atmosphere

37°C, 5%_{CO2}, humidified

Flask Coating

None

Freezing
Procedure

Seal the vial with a cap and freeze at -78°C

Shipping
Conditions

Seal the vial with a cap and ship at -78°C

Storage
Conditions

Seal the vial with a cap, store at -150 to -196 °C

OS-RC-2 is a cell line

Sterility

OS-RC-2 is a cell line that is PCR confirmed to be free of mycoplasma contamination. The cell line is also free of endotoxins and is suitable for use in cell culture.