

# UM-RC-7 (Human renal carcinoma) cell line

**Catalogue number:** 160449

**Sub-type:**

**Images:**

## Contributor

**Inventor:** H. Grossman

**Institute:** University of Michigan

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** UM-RC-7 (Human renal carcinoma) cell line

**Alternate name:**

**Class:**

**Conjugate:**

**Description:** UM-RC-7 are a renal carcinoma cell line, established in long term culture, from surgically obtained renal carcinoma specimens of patients who underwent nephrectomy. Initial work suggests these cells grow well in primary culture but life expectancy is limited to less than 10 passages. These cells were evaluated for their ability to form tumors in nude mice, however, no tumor development was observed. These cells are adherent and display a loss of contact inhibition. Doubling time is approximately 53 hours.

**Purpose:**

**Parental cell:**

**Organism:** Human

**Tissue:** Bladder

**Model:** Cancer Model

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:** Adherent

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** UM-RC-7

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:**

## Handling

**Format:** Frozen

**Concentration:**

**Passage number:**

**Growth medium:** Cells were grown in Eagle's Minimum Essential Medium (EMEM) containing 1% nonessential amino acids, 2mM glutamine, 100U/ml penicillin, 100ug/ml streptomycin and 10% Fetal Bovine Serum (FBS).

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:** Dry ice

## Related tools

**Related tools:** UM-UC-1 (Human bladder transitional cell carcinoma) cell line ; UM-UC-3 (Human bladder transitional cell carcinoma) cell line ; UM-UC-4 (Human adenocarcinoma lymph node metastasis) cell line ; UM-UC-5 (Human squamous cell carcinoma of the bladder) cell line ; UM-UC-7 (Human transitional cell carcinoma of the bladder) cell line ; UM-UC-9 (Human transitional cell

carcinoma of the bladder) cell line ; UM-UC-10 (Human transitional cell carcinoma of the bladder) cell line ; UM-UC-11 (Human transit...

## References

**References:** Grossman et al. 1985. J Surg Oncol. 28(3):237-44. PMID: 4038766.

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