

RKO | 305035

XXXXX XXXXX

Description

RKO is a cell line derived from a patient with a primary tumor of the colon. The cell line is characterized by its ability to grow in soft agar and its tumorigenicity in nude mice. RKO cells are highly proliferative and express a variety of markers, including CD44, CD133, and CD166. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 100 ng/ml insulin-like growth factor-1 (IGF-1). RKO cells are highly tumorigenic and form large, well-differentiated adenocarcinomas in nude mice. The cell line is highly sensitive to cisplatin and 5-fluorouracil. RKO cells are highly tumorigenic and form large, well-differentiated adenocarcinomas in nude mice. The cell line is highly sensitive to cisplatin and 5-fluorouracil.

Organism

Tissue

Disease

XXXXXXXXXX

Ethnicity

Morphology

Growth properties

XXXXXXXXXX XXXXXXXXXXXXXXXX

Citation RKO (XXXXX XXXXXXXX Cytion 305035)

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_0504

XXXXXXXXXX XXXX-XXXXXXXXXXXXXX

Receptors expressed XXXXXXXXXX (u-PAR)

Tumorigenic

Product sheet

HEK293T | 305035

HEK293T

Culture Medium EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO₃, w: EBSS (Cytion 820100a)

Supplements Cytion 820100a 10% FBS 1% NEAA

Dissociation Reagent Cytion 820100a

Subculturing HEK293T cells are cultured in EMEM supplemented with 10% FBS and 1% NEAA. For subculturing, cells are trypsinized with 0.25% trypsin-EDTA in PBS, washed with PBS, and resuspended in EMEM supplemented with 10% FBS and 1% NEAA. Cells are seeded into new flasks at a density of 1-3 x 10⁵ cells per flask.

Split ratio 1:2 to 1:4

Fluid renewal 2 to 3 times per week

Freeze medium Cytion 820100a, Cytion 820100a (10% FBS) + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw the cells in a 37°C water bath.
 2. Dilute the cells into EMEM supplemented with 10% FBS and 1% NEAA.
 3. Seed the cells into a 25 cm² flask.
 4. Allow the cells to attach for 24 hours.
 5. Refresh the medium after 24 hours.
 6. Seed the cells into a 96-well plate at a density of 3 x 10⁴ cells per well.
 7. Allow the cells to attach for 24 hours.
 8. Refresh the medium after 24 hours.

Incubation Atmosphere 37°C, 5% CO₂

