

TCCSUP | 305073

Description TCCSUP is a cell line derived from a human bladder carcinoma. It is characterized by its ability to grow in suspension and its high tumorigenicity. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 100 ng/ml hydrocortisone. TCCSUP cells are highly sensitive to cisplatin and paclitaxel. The cell line is a good model for studying the effects of these drugs on bladder cancer cells. TCCSUP cells are also used for the study of the role of p53 in bladder cancer. TCCSUP cells are highly tumorigenic and are used for the study of the role of p53 in bladder cancer.

Organism Human

Tissue Bladder

Disease Bladder cancer

Synonyms TCCSuP, TCC-SUP, TCC Sup

Age 67 years

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Growth properties Adherent

Citation TCCSUP (ATCC CRL-2139) (305073)

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_1738

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Culture Medium EMEM (MEM Eagle) 2 mM L-Glutamine-2.2 g/l NaHCO3 EBSS (Gibco 820100a)

Supplements 10% FBS 1% Penicillin Streptomycin

Dissociation Reagent Trypsin

Doubling time 30-40 hours

Subculturing 1:2 or 1:3 split into fresh medium

Fluid renewal 2-3 times per week

Freeze medium 10% FBS + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells in a 37°C water bath.
 2. Centrifuge cells at 300 x g for 3 minutes.
 3. Wash cells in PBS with 10% FBS.
 4. Resuspend cells in fresh medium.
 5. Seed cells into a flask.
 6. Incubate cells at 37°C.
 7. Monitor cell growth.
 8. Harvest cells when they reach confluence.

Incubation Atmosphere 37°C, 5% CO2

Flask Coating None

TCCSUP | 305073

Freezing Procedure [REDACTED]-78

Shipping Conditions [REDACTED]-78

Storage Conditions [REDACTED]-150 -196 [REDACTED]

/ / HLA

Sterility [REDACTED] (PCR) [REDACTED]
[REDACTED]