

Product sheet

SCC-4 | 305384

SCC-4

Description SCC-4 is a cell line derived from a patient with squamous cell carcinoma (SCC). It is characterized by its ability to grow in soft agar and its high tumorigenicity in nude mice. The cell line is maintained in DMEM supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin. SCC-4 cells are highly proliferative and exhibit a high degree of genetic heterogeneity. The cell line is derived from a patient with a primary tumor in the head and neck region. The tumor was resected and the cells were cultured in DMEM supplemented with 10% FBS and 1% penicillin-streptomycin. The cell line was established by serial dilution and single cell cloning. The cell line is maintained in DMEM supplemented with 10% FBS and 1% penicillin-streptomycin. SCC-4 cells are highly proliferative and exhibit a high degree of genetic heterogeneity. The cell line is derived from a patient with a primary tumor in the head and neck region. The tumor was resected and the cells were cultured in DMEM supplemented with 10% FBS and 1% penicillin-streptomycin. The cell line was established by serial dilution and single cell cloning. The cell line is maintained in DMEM supplemented with 10% FBS and 1% penicillin-streptomycin.

Organism Human
Tissue Head and neck
Disease Squamous cell carcinoma
Synonyms SCC 4, SCC4

Characteristics

Age 55 years
Gender Male
Ethnicity Caucasian
Morphology Epithelial cells
Growth properties High tumorigenicity

References

Citation SCC-4 (ATCC CCL-221) | Cytion 305384
Biosafety level 1
NCBI_TaxID 9606
CellosaurusAccession CVCL_1684

Additional information

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Mutational profile TP53, p.Pro151Ser (c.451C>T)

Culture Medium DMEM:Ham's F12 (1:1), w: 3.1 g/L , w: 2.5 mM L-, w: 15 mM HEPES, w: 0.5 mM , w: 1.2 g/L NaHCO₃ 820400a)

Supplements 10% FBS 400 ng/mL

Dissociation Reagent

Subculturing PBS T25, 3-5 " PBS, 3 3 , ,

Freeze medium (FBS) + 10% DMSO

Thawing and Culturing Cells

1. ,
2. -150°C
3. 37
4. 70%
5. 15 " 8 "
6. 300 x g 3
7. 10 "
8. T2

Incubation Atmosphere 37°C, 5% CO₂

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Flask Coating

Flask coating is not required for this product.

Freezing Procedure

Freeze the product in a cryovial at -78°C.

Shipping Conditions

Shipping conditions: -78°C.

Storage Conditions

Store at -150 to -196°C.

HLA

Sterility

The product is sterile and ready for use in PCR applications.