

Product sheet

CCF-STTG1 | 300388

CCF-STTG1

Description
CCF-STTG1 is a cell line derived from a patient with a glioblastoma. It is characterized by its high proliferation rate and its ability to form spheroids in culture. 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 (IGF1). CCF-STTG1 is a highly tumorigenic cell line that is used as a model for glioblastoma research.

Organism Human

Tissue Brain

Disease Glioblastoma, Glioblastoma IV

Synonyms CCFSTTG1, STTG1

Characteristics

Age 68 years

Gender Male

Ethnicity Caucasian

Morphology Epithelial, Spheroid forming

Growth properties High proliferation rate, spheroid forming

References

Citation CCF-STTG1 (ATCC CCL-221) Cytion 300388

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_1118

Additional information

CCF-STTG1 | 300388

Antigen expression HLA DR (25%)

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

Supplements 10% FBS

Dissociation Reagent

Subculturing 2-3 days, 3-5 days

Seeding density 2×10^4

Fluid renewal 2-3 days

Post-Thaw Recovery 24 hours

Freeze medium (FBS) + 10% DMSO

CCF-STTG1 | 300388

Thawing and Culturing Cells

1. Thaw the cells rapidly in a water bath at 37°C. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a pre-warmed flask containing 10 ml of medium. Incubate at 37°C with 5% CO₂.
3. Once cells are attached, replace the medium with fresh pre-warmed medium.
4. Monitor cell growth and passage when cells reach 70-80% confluency.
5. For passage, trypsinize cells and seed into a new flask with 15 ml of medium.
6. Seed cells at a density of 300 x 10³ cells per flask.
7. Incubate cells for 10 days in the presence of TGF-β.
8. Harvest cells for analysis.

Incubation Atmosphere 37°C, 5% CO₂, humidified air

Flask Coating None

Freezing Procedure Harvest cells and freeze in liquid nitrogen at -78°C.

Shipping Conditions Store at -78°C.

Storage Conditions Store at -150°C for 196 days.

CCF-STTG1 / CCF-STTG1 / HLA

Sterility Cells are free of mycoplasmas and PCR detectable viruses.

██████ CCF-STTG1 | 300388

██████ HLA

A*: 01:01:01
B*: 08:01:01, 37:01:01
C*: '06:02:01, '07:01:01
DRB1*: 07:01:01, 13:02:01
DQA1*: '01:02:01, '02:01:01
DQB1*: 03:03:02, 06:04:01
DPB1*: 04:01:01
E: 01:01:01