

Product sheet

CCF-STTG1 | 300388

CCF-STTG1

Description
CCF-STTG1 is a cell line derived from a patient with 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

References

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

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_1118

Additional information

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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

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Thawing and Culturing Cells

1. Thaw the cells rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a pre-warmed medium. Incubate the cells at 37°C in a humidified atmosphere of 5% CO₂.
3. Monitor the cells for attachment and growth. Change the medium after 24 hours.
4. Once the cells are established, passage them into fresh medium. Seed density should be approximately 70% confluence.
5. For primary culture, seed the cells at a density of 15 x 10⁴ cells per 150 cm² flask. For secondary culture, seed the cells at a density of 8 x 10⁴ cells per 150 cm² flask.
6. The cells should be maintained in a medium containing 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin (PS). The medium should be changed every 3-4 days.
7. For long-term culture, the cells should be maintained in a medium containing 5% FBS and 1% PS. The medium should be changed every 3-4 days.
8. The cells should be maintained in a medium containing 5% FBS and 1% PS. The medium should be changed every 3-4 days.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating The cells are not adherent to standard tissue culture flasks. The cells require a special coating for attachment.

Freezing Procedure The cells should be frozen in a medium containing 10% FBS and 1% PS. The cells should be frozen at -80°C.

Shipping Conditions The cells should be shipped in a medium containing 10% FBS and 1% PS. The cells should be shipped at -80°C.

Storage Conditions The cells should be stored in a medium containing 10% FBS and 1% PS. The cells should be stored at -150°C for up to 196 days.

CCF-STTG1 / CCF-STTG1 / HLA

Sterility The cells are free of mycoplasmas and other contaminants. The cells are also free of PCR inhibitors.

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██████ 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