

HSC-T6 | 305199

General information

Description	HSC-T6 is a human glioblastoma cell line, derived from a male patient with a glioblastoma. It is a highly proliferative, undifferentiated cell line that expresses markers for glial cells, including GFAP (glial fibrillary acidic protein) and S-100. HSC-T6 cells are typically grown in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 10% insulin-like growth factor (IGF) and transferrin (Tf).
Organism	Human
Tissue	Brain
Synonyms	HSCT6

Characteristics

Breed/Subspecies	Human Glioblastoma
Age	Adult
Gender	Male
Morphology	Epithelial
Growth properties	Adherent

Identification and documentation

Citation	HSC-T6 (Cytion 305199)
Biosafety level	1
NCBI_TaxID	10116
CellosaurusAccession	CVCL_0315

Additional information

References

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Culture Medium DMEM, w: 4.5 g/L D-glucose , w: 4 mM L- glutamine , w: 3.7 g/L NaHCO_3 , w: 1.0 mM NaCl (Cytion 820300a)

Supplements FBS 10%

Dissociation Reagent Trypsin

Subculturing Cells are grown in DMEM supplemented with 10% FBS and 1% $\text{penicillin-streptomycin}$ in T25, 3-5 flasks FBS 3 days . Cells are harvested by trypsinization, washed with PBS , and resuspended in DMEM supplemented with 10% FBS and 1% $\text{penicillin-streptomycin}$.

Fluid renewal 2-3 times per week

Freeze medium DMEM supplemented with 10% FBS and 10% DMSO (Cytion 820300a) + 10% FBS + 10% DMSO (Cytion 820300a) + 10% FBS + 10% DMSO (Cytion 820300a)

Thawing and Culturing Cells

1. Cells are thawed in a water bath at 37°C and immediately transferred to a DMEM supplemented with 10% FBS and 1% $\text{penicillin-streptomycin}$ in T25, 3-5 flasks FBS 3 days .
2. Cells are washed with PBS and resuspended in DMEM supplemented with 10% FBS and 1% $\text{penicillin-streptomycin}$ in T25, 3-5 flasks FBS 3 days .
3. Cells are grown in DMEM supplemented with 10% FBS and 1% $\text{penicillin-streptomycin}$ in T25, 3-5 flasks FBS 3 days .
4. Cells are harvested by trypsinization, washed with PBS , and resuspended in DMEM supplemented with 10% FBS and 1% $\text{penicillin-streptomycin}$.
5. Cells are grown in DMEM supplemented with 10% FBS and 1% $\text{penicillin-streptomycin}$ in T25, 3-5 flasks FBS 3 days .
6. Cells are washed with PBS and resuspended in DMEM supplemented with 10% FBS and 1% $\text{penicillin-streptomycin}$ in T25, 3-5 flasks FBS 3 days .
7. Cells are grown in DMEM supplemented with 10% FBS and 1% $\text{penicillin-streptomycin}$ in T25, 3-5 flasks FBS 3 days .
8. Cells are harvested by trypsinization, washed with PBS , and resuspended in DMEM supplemented with 10% FBS and 1% $\text{penicillin-streptomycin}$.

Incubation Atmosphere 37°C , 5% CO_2 , humidified

Flask Coating None

Freezing Procedure Cells are grown in DMEM supplemented with 10% FBS and 1% $\text{penicillin-streptomycin}$ in T25, 3-5 flasks FBS 3 days . Cells are harvested by trypsinization, washed with PBS , and resuspended in DMEM supplemented with 10% FBS and 1% $\text{penicillin-streptomycin}$.

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