

Product sheet

HROG17 | 300938

General information

| | |
|--------------------|---|
| Description | Cell line derived from a patient with glioblastoma (PD Dr. Michael Linnebacher) |
| Organism | Human |
| Tissue | Brain, L, Glioblastoma multiforme, Glioblastoma |
| Disease | Glioblastoma (WHO IV) |

Characteristics

| | |
|--------------------------|---|
| Age | 70 years |
| Gender | Male |
| Ethnicity | German |
| Morphology | Epithelial cells, adherent, growing in monolayers |
| Growth properties | Highly proliferative |

Identification

| | |
|-----------------------------|-------------------------------------|
| Citation | HROG17 (ATCC CCL-100) Cytion 300938 |
| Biosafety level | 1 |
| NCBI_TaxID | 9606 |
| CellosaurusAccession | CVCL_4U45 |

Antigen expression and mutational profile

| | |
|---------------------------|---|
| Antigen expression | HLA-A02+, HLA-B*08:01+, HLA-E+, HLA-G+, MIC A+, MIC-B-, ICAM-1+, GFAP+, S-100+, GBM+, BTSC+ |
| Mutational profile | IDH 1 wt, TP53wt, K-Ras wt, B-RAFwt, PTENR130+ |

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Thawing and Culturing Cells

1. Thaw the vial quickly in a 37°C water bath. Transfer the cells to a pre-warmed T25 flask containing 10 ml of complete DMEM medium.
2. Incubate the cells in a humidified 5% CO₂ incubator at 37°C. The cells should reach 70-80% confluency within 2-3 days.
3. Once cells reach 70-80% confluency, passage them into a new T25 flask with fresh complete DMEM medium.
4. Repeat the passage process when cells reach 70-80% confluency again.
5. For long-term storage, seed cells into a T25 flask with 10 ml of complete DMEM medium. Once cells reach 70-80% confluency, harvest them by trypsinization and resuspend in 1 ml of complete DMEM medium.
6. Aliquot the cell suspension into 1 ml aliquots and store in a cryovial at -80°C.
7. Thaw the cryovial quickly in a 37°C water bath and transfer the cells to a pre-warmed T25 flask containing 10 ml of complete DMEM medium.
8. Incubate the cells in a humidified 5% CO₂ incubator at 37°C. The cells should reach 70-80% confluency within 2-3 days.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Seed cells into a T25 flask with 10 ml of complete DMEM medium. Once cells reach 70-80% confluency, harvest them by trypsinization and resuspend in 1 ml of complete DMEM medium. Aliquot the cell suspension into 1 ml aliquots and store in a cryovial at -80°C.

Shipping Conditions Cryovials should be stored at -80°C and shipped on dry ice.

Storage Conditions Cryovials should be stored at -80°C for up to 196 weeks.

HEK293T HROG17 / HEK293T HROG17 / HLA

Sterility The cells are free of mycoplasma contamination. PCR screening for mycoplasma is performed on a regular basis.

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██████ HLA

A*: '11:01:01, '66:01:01

B*: 14:02:01, 40:02:01

C*: '01:02:01, '08:02:01

DRB1*: '01:02:01, '12:01:01

DQA1*: '01:01:02, '05:05:01

DQB1*: '03:01:01, '05:01:01

DPA1*: 0,04375, 0,084027778

DPB1*: 04:01:01, 11:01:01

E: 01:01, 01:03