

Product sheet

HROG07 | 300934

General information

Description	Cell line derived from a glioblastoma (PD Dr. Michael Linnebacher)
Organism	Human
Tissue	Brain, Glioblastoma
Disease	Glioblastoma (WHO IV)

Characteristics

Age	55 years
Gender	Male
Ethnicity	German
Morphology	Epithelial cells, adherent
Growth properties	Highly proliferative

Identification

Citation	HROG07 (Cytion 300934)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_4U42

Antigen expression

Antigen expression	GFAP +, Nestin +, S-100 +, GBM +, BTSC +, EGFR +
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Mutational profile TP53 wt, PTENwt, 9q21.3 (CDKN2A) loss

HEK293T HROG07 | 300934

HEK293T

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

Supplements β -mercaptoethanol 10% FBS

Dissociation Reagent Trypsin

Subculturing Seed cells into fresh medium in 25 cm² flasks or 125 cm² bioreactors. For subculturing, use 10% FBS medium. For passaging, use 10% FBS medium. For passaging, use 10% FBS medium.

Seeding density 1×10^4 cells/cm²

Fluid renewal 3-5 days

Freeze medium DMEM:Ham's F12 (1:1), w: 3.1 g/L β -mercaptoethanol, w: 2.5 mM L-glutamine, w: 15 mM HEPES, w: 0.5 mM sodium pyruvate, w: 1.2 g/L NaHCO₃ (820400a), 50% FBS + 40% DMSO, CM-1 (Cytion 800100)

- Thawing and Culturing Cells**
1. Thaw cells in a 37°C water bath. Transfer cells to a 15 mL centrifuge tube and centrifuge at 300 x g for 3 minutes. Resuspend cells in 10% FBS medium.
 2. Seed cells into a 25 cm² flask at a density of 1×10^4 cells/cm². Incubate at 37°C in 5% CO₂.
 3. Monitor cell growth and confluency. Once cells reach 70-80% confluency, perform a passaging.
 4. For passaging, use 10% FBS medium. Seed cells into a new 25 cm² flask at a density of 1×10^4 cells/cm².
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Incubation Atmosphere 37°C, 5% CO₂

