

U-CH1 | 305885

U-CH1

Description

U-CH1 is a human cell line derived from a patient with a brain tumor. The cell line is characterized by its high growth rate and its ability to form neurospheres. U-CH1 cells are highly tumorigenic and can be used for studying the biology of brain tumors. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 10% human platelet-derived growth factor (hPDGF). U-CH1 cells are highly tumorigenic and can be used for studying the biology of brain tumors. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 10% human platelet-derived growth factor (hPDGF).

Organism Human

Tissue Brain, Glioma

Disease Glioblastoma

Synonyms UCH-1, UCH1

Characteristics

Age 56 years

Gender Male

Ethnicity Caucasian

Morphology Epithelial, High growth rate

Cell type Glioma

Growth properties High growth rate

References

Citation U-CH1 (U-CH1 | 305885) Cytion 305885

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_4988

Product sheet

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U-CH1 - U-CH1

Mutational profile TP53, p.Pro72Arg (c.215C>G),

Culture Medium IMDM, w: 4.5 g/L, w: 4 mM L-, w: 25 mM HEPES, w: 1.0 mM, w: 3.024 g/L NaHCO3 (Cytion)

Supplements 10% FBS

Dissociation Reagent

Doubling time ~

Fluid renewal 2 x 3

Freeze medium (FBS) + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells rapidly in a 37°C water bath. Transfer cells to a pre-warmed medium.
 2. Centrifuge cells at 300 x g for 3 minutes. Resuspend cells in 70% medium.
 3. Seed cells into a 37°C incubator with 5% CO2.
 4. Monitor cell growth and confluency.
 5. Harvest cells when they reach 80-90% confluency.
 6. Perform a trypsin digest to harvest cells.
 7. Seed cells into a new well.
 8. Repeat the process for subsequent passages.

