

Human Primary Glioblastoma Cancer Cells

A primary cell isolate with application in cell-based screening and life science research

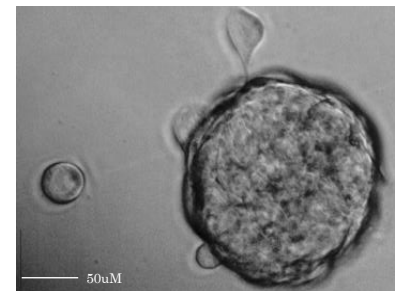
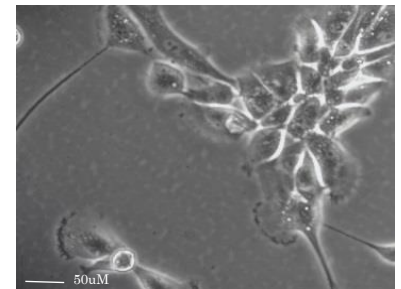
Cat. No. GM-HC-071. The primary cell isolate was prepared from human tissue obtained with full ethical permission. Tissue was dissociated by enzymatic digestion and cells were harvested and washed by conventional filtration and centrifugation. Cells were grown in culture using medium optimised for primary glioblastoma cancer cells, and were banked and cryopreserved under liquid nitrogen. Cell population analysis was performed by fluorescence-activated cell sorting (FACS).

DONOR TISSUE FEATURES

- Male donor, age 75 years, additional donor history available on request
- Glioblastoma multiforme, tumour stage IV

CELL CHARACTERISTICS

| | |
|-----------------------|---|
| Batch number: | 11-0510 |
| Vial content: | 0.5x10 ⁶ cells |
| Appearance: | Dependent upon culture conditions |
| Seeding density: | 13,500/cm ² (adherent), 2 x 10 ⁵ /ml (suspension) Generation of neurospheres (up to 3 weeks culture) |
| Culture medium: | AvantiCell medium (GM-HCM-01) recommended |
| Recovery from frozen: | 87.5% |
| Mycoplasma test: | Negative (by luminescence-based mycoplasma assay) |
| Virus tests: | Negative for HIV1, HIV2, HAV, HBV, HCV, HTLV1/2 (by real time PCR) |
| Other tests: | Negative for yeast, fungus, bacteria |



Cell morphology. Cells in culture were photographed using a phase contrast microscope. (Bar 50µM). Top - Adherent. Bottom - Neurospheres.

FLOW CYTOMETRY CELL ANALYSIS

| Cell Marker | Target Description | Population Positive* |
|-------------|---------------------------------|----------------------|
| CD133 | Cancer stem cell marker | 1.3% |
| CD56 | Neuronal progenitor cell marker | 75.2% |
| A2B5 | Glial progenitor cell marker | 23.5% |

*Percentage of cells with fluorescence greater than the isotype control background

USES AND RESTRICTIONS

- Store at -150°C. Once thawed do not re-freeze
- For research use ONLY — not suitable for *in vitro* diagnostic use or human or animal treatment
- Potential biohazard — handle with care