

IB 230037

Description

IB 230037 cells were isolated from the nervous tissue of a patient with Glioblastoma Multiforme. These patient derived cells (PDC) can be used in cancer, immuno-oncology, and toxicology research.

Organism:	<i>Homo sapien</i> , human	Disease Type:	Glioblastoma Multiforme
Patient Age:	Unknown	Cancer Cell Type:	Glial Cells
Patient Sex:	Unknown	Cell Morphology:	Adherent (epithelial-like)
Tissue of Origin:	Nerve	Applications:	2D cell culture

Growth Characteristics and Images

Optimal Seeding Density:	8 x 10 ⁴ cells/cm ²
Doubling Rate:	~ 48 hours
Expected Viability:	>90%
Average Diameter:	18.6 μm

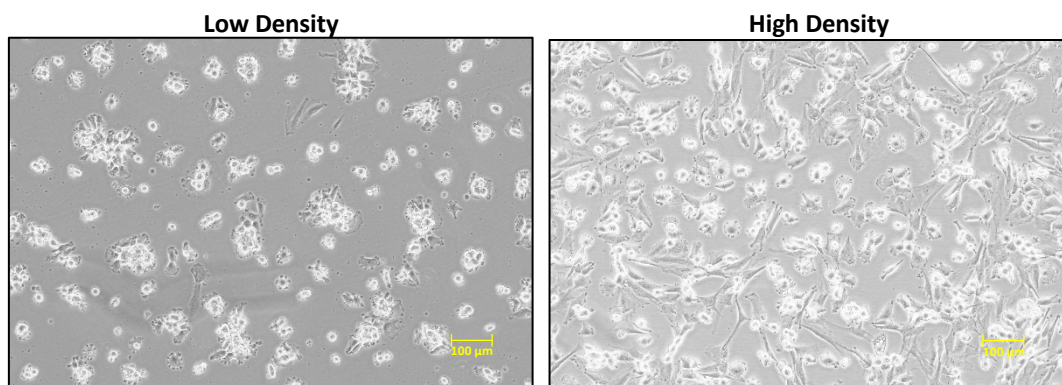


Figure 1: Representative brightfield microscope images of IB 230037 taken at 10X magnification.

Model Response to Standard of Care Chemotherapeutics

Table 4: IC₅₀ values of 9 standard of care chemotherapeutic agents for IB 230037 over 3 incubation periods. Each IC₅₀ value represents 1 biological replicate.

COMPOUND	IC ₅₀ (DAY 3) [M]	IC ₅₀ (DAY 5) [M]	IC ₅₀ (DAY 7) [M]
CARMUSTINE	Inactive	Inactive	ND (>)
TEMOZOLOMIDE	Inactive	Inactive	Inactive
PROCARBAZINE-HCL	Inactive	Inactive	Inactive
5-FLUOROURACIL	ND (>)	ND (>)	2.60E-05
LETROZOLE	Inactive	ND (>)	ND (>)
CISPLATIN	ND (>)	ND (>)	1.06E-06
TAMOXIFEN	3.379E-06	9.18-06	8.93E-06
GEMCITABINE	Inactive	Inactive	ND (>)
PACLITAXEL	Inactive	Inactive	Inactive

ND – Not determined (due to incomplete curve generation at the concentration range tested).

(>) IC₅₀ above tested concentration range (<) IC₅₀ below tested concentration range

Intended Use

This product is intended for laboratory research use only. It is not intended for therapeutic use, consumption, or diagnostic testing in humans or animals.

Revision

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