

# IB 230034

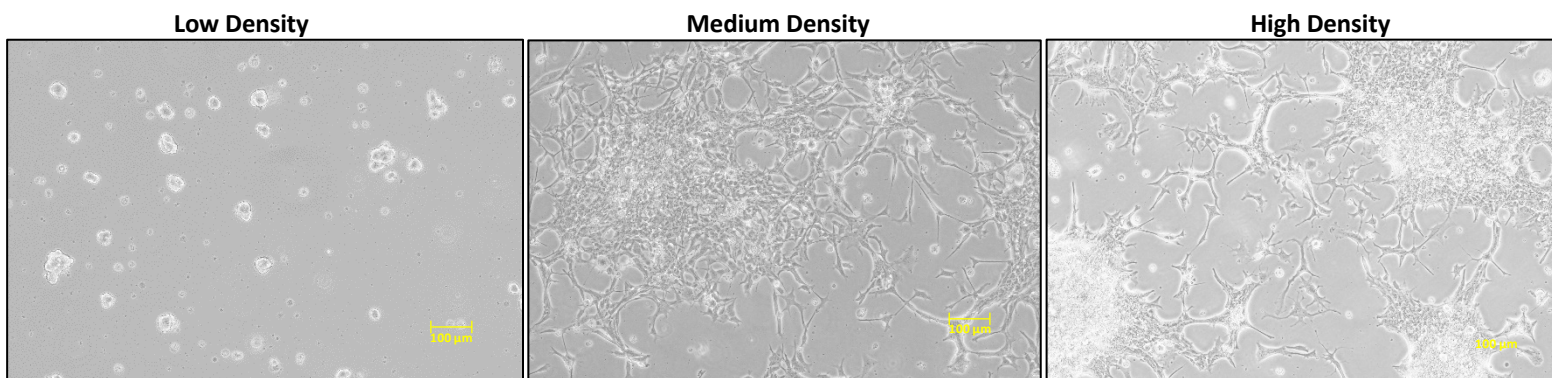
## Description

IB 230034 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.

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

## Growth Characteristics and Images

<b>Optimal Seeding Density:</b>	1 x 10 <sup>5</sup> cells/cm <sup>2</sup>
<b>Doubling Rate:</b>	~ 3 days
<b>Expected Viability:</b>	>90%
<b>Average Diameter:</b>	14.8 μm



**Figure 1:** Representative brightfield microscope images of IB 230034 taken at 10X magnification.

## Model Response to Standard of Care Chemotherapeutics

**Table 1: IC<sub>50</sub> values of 9 standard of care chemotherapeutic agents for IB 230034 over 3 incubation periods.** Each IC<sub>50</sub> value represents an average of 2 biological replicates.

COMPOUND	IC <sub>50</sub> (DAY 3) [M]	IC <sub>50</sub> (DAY 5) [M]	IC <sub>50</sub> (DAY 7) [M]
CARMUSTINE			
TEMOZOLOMIDE			
PROCARBAZINE-HCL			
5-FLUOROURACIL			
LETROZOLE		Data Generation Ongoing	
CISPLATIN			
TAMOXIFEN			
GEMCITABINE			
PACLITAXEL			

ND – Not determined (due to incomplete curve generation at the concentration range tested).  
(>) IC<sub>50</sub> above tested concentration range (<) IC<sub>50</sub> 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.

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## **Revision**

This information on this document was last updated on 2024-07-30

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## **Contact information**

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