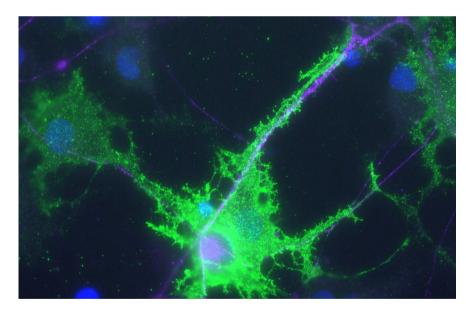
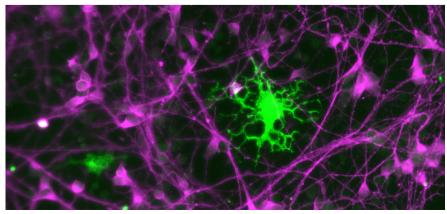


## **Oligodendrocytes & OPCs**

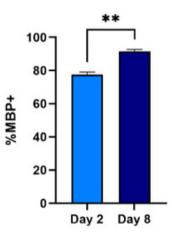
## Oligodendrocytes

BrainXell utilizes advanced stem cell technology to generate high-quality oligodendrocyte progenitor cells (OPCs) from human induced pluripotent stem cells (hiPSCs). These OPCs rapidly differentiate into O4+ pre-myelinating oligodendrocytes, crucial for myelination and neuronal support. After thawing and plating, the cells quickly mature into myelinating oligodendrocytes within seven days in culture, providing a reliable model for studying myelin formation and potential therapies for demyelinating diseases, such as multiple sclerosis. This streamlined approach ensures a consistent and scalable solution for neurological research.



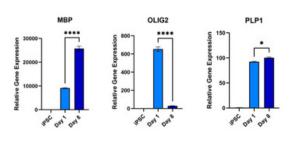


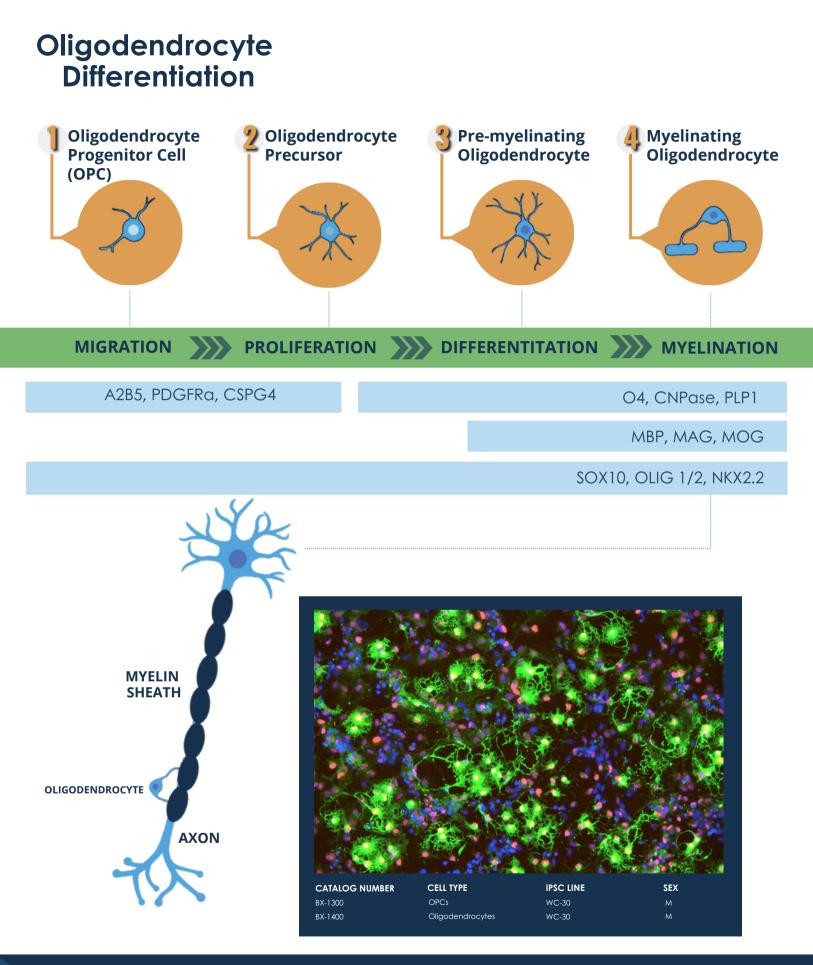
## Purity >90% O4+ cells at thaw >80% MBP by 7 days in culture



## Markers

Expression of oligodendrocyte and myelin markers OLIG2, MBP and PLP1 demonstrate maturity.





Get in Touch





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