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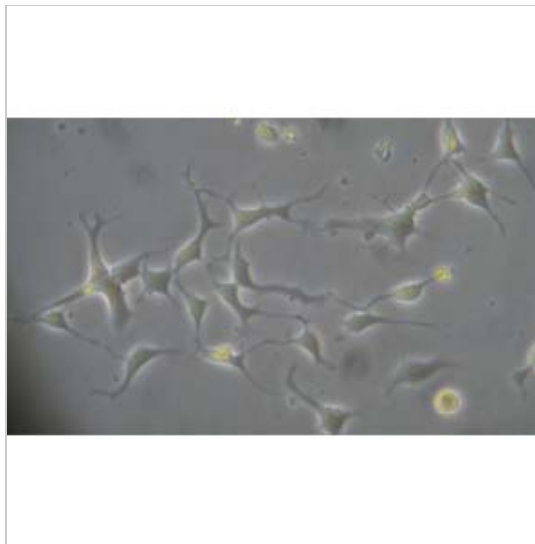
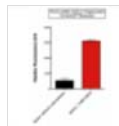
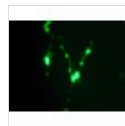
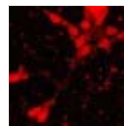


Tempo-iNStem™:
Human iPS-derived
Neural Progenitor
Cells

\$750.00

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**MORE VIEWS****Tempo-iAstro™: Human iPS-derived Astrocytes**

Availability: In stock

\$750.00

Qty:

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Summary

Astrocytes, also known as Astroglia, belong to the family of glial cells in the human central and peripheral nervous system. They have been shown to have central roles in the maintenance of neuronal metabolism and neurotransmitter synthesis. They have been implicated in many human neurodegenerative disorders such as multiple sclerosis, amyotrophic lateral sclerosis (ALS), Alzheimer's disorder, Huntington's disease and Parkinson's disease.

Tempo's iAstro™ cells are induced astrocytes reprogrammed from human fibroblasts or blood cells using proprietary foot-print-free stem cell technologies. iAstro™ cells are cryopreserved at low passage numbers. Each vial contains $>1 \times 10^6$ cells. iAstro™ cells are characterized via standard morphological examinations and via immunocytochemistry methods against known marker proteins (such as GFAP).

Details

Tempo's iAstro™: human iPS-derived astrocytes Astrocytes Cells (Tempo-iAstro) are derived from integration-free induced pluripotent stem cell (iPSC) lines under a fully defined proprietary neural induction condition. Tempo's iAstro cells are polarized structures when plated as a monolayer in culture and express astrocyte marker, GFAP.

Applications:

- Disease modeling

- Toxicity testing
- Phenotypic Screening (e.g., cytokine secretion, expression of differentiation markers)
- Research and development of cell therapies in animal models
- Studying astrocyte differentiation and function

Specifications: ~1x10⁶ cells per 1ml of freezing medium (vial)

Long-term Storage: liquid nitrogen

Growth Properties: adherent

Starting Materials: human dermal/fibroblast cells were reprogrammed using a proprietary foot-print-free technology.

Storage: remove cryovials (dry ice packaging) and place the vial into liquid nitrogen for storage. Alternatively, thaw and use the cells immediately.

Additional Information

Product Use

Tempo's iAstro™ cells are intended for basic research and drug development use only. It is not a product for human testing or diagnostics.