Product Datasheet

Human Cerebral Cortical Neurons (Young hCCNs Frozen)
NBP2-31298

Unit Size: 2 Million Cells

Store in gas phase of liquid nitrogen.

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Updated 2/5/2017 v.20.1

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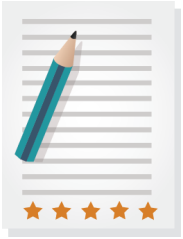

NBP2-31298

Human Cerebral Cortical Neurons (Young hCCNs Frozen)

Product Information

Unit Size	2 Million Cells
Concentration	Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.
Storage	Store in gas phase of liquid nitrogen.

Product Description

Description	Advantages of hCCNs: 1. Human cells; 2. High purity neural progenitor population; 3. Ready-made, easy to maintain and differentiate; 4. Robust enough to undergo genetic manipulation; 5. Functional and molecular features extensively characterized; 6. Capable of differentiating into an array of cortical neurons and astrocytes; 7. Remain viable in culture for months to facilitate reproducible and long term studies; 8. Available in industrial quantity; 9. Cells from multiple donors (>6) are available for purchase allowing data comparison among biological replicates. This product is powered by Axol Bioscience Ltd.
Specificity/Sensitivity	1. Cell Type: Neural progenitors 2. Species: Human 3. Source: Human iPSCs (reprogrammed with episomal vectors; no gene insertion detected in the iPSCs) 4. Donor gender: Female 5. Donor age: Newborn 6. Karyotype: Normal 7. Quantity: 2 x 10^6 viable cells 8. Presentation: Cells are provided cryopreserved in 1 ml of freezing medium 9. Growth Properties: Adherent 10. Quality Assurance: Cells are negative for HIV, HBV, HCV, bacteria, mycoplasma and fungal contamination
Kit Components	Sure Boost (TM) Supplement: NBP2-31355, Neural Enhance (TM) Supplement: NBP2-31356, Human Cerebral Cortical Neurons (Young hCCNs Frozen): NBP2-31298

Product Application Details

Application Notes	Applications Including but not limited to: 1. Studying Corticogenesis in vitro 2. Studying neural network formation and signal transmission 3. Disease modelling 4. Neurotoxicity testing 5. Preclinical drug efficacy testing 6. Research and development of cell therapies in animal models

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