



Neural Product Catalog 2016



Human Neural Model Product Line

Neural Media

Catalog #	Description	Unit Size	Cost
21001-250	Neural StemCell Growth Media (Human and Rat) Complete serum-free media for growth of human or rat neural stem cells. Includes basal medium with serum-free supplement containing glutamine and all necessary growth factors.	250 ml	\$225
21002-250	Dopaminergic Differentiation Media Complete serum-free media for differentiation of DA-NSCs into dopaminergic neurons. Includes basal medium with serum-free supplement containing glutamine and all necessary growth factors.	250 ml	\$325
21003-250	Neural Transition Media Complete serum-free media to prepare human, mouse and rat neural stem cells for differentiation into mature neural fates. Includes basal medium with serum-free supplement containing glutamine and all necessary differentiation factors	250 ml	\$225
21004-250	Neural Differentiation Media Complete serum-free media for differentiation of human, mouse and rat neural stem cells into mature neural fates. Includes basal medium with serum-free supplement containing glutamine and all necessary differentiation factors.	250 ml	\$225
21005-050	Neural Freezing Media For cryopreservation of neural stem cells in serum free conditions for >90% recovery when thawed.	50 ml	\$90
21006-050	Neuron Freezing Media For cryopreservation of neurons in serum free conditions for >90% recovery when thawed.	50 ml	\$90

Human Neural Stem/Progenitor Cells

Catalog #	Description	Unit Size	Cost
Cortical Neural Stem/Progenitor Cells			
Isolated from the cortex of human brain tissue and characterized by immunocytochemistry with neural stem cell antibodies and differentiation potential with antibodies for specific neural sub-types, astrocytes and oligodendrocytes. For best results should be cultured in low oxygen conditions.			
23001-001	Donor Lot CxB-1	1.5M cells	\$1,100
23001-002	Donor Lot CxB-2	1.5M cells	\$1,100
23001-003	Donor Lot CxB-3	1.5M cells	\$1,100
23001-004	Donor Lot CxB-4	1.5M cells	\$1,100
23001-009	Donor Lot CxB-009	1.5M cells	\$1,100
Hippocampal Neural Stem Cells			
Isolated from the hippocampus of human brain tissue characterized by immunocytochemistry with neural stem cell antibodies and differentiation potential with antibodies for specific neural sub-types, astrocytes and oligodendrocytes. For best results should be cultured in low oxygen conditions.			
23002-003	Donor Lot HIP-3	1.5M cells	\$1,500
23002-005	Donor Lot HIP-005	1.5M cells	\$1,500
23002-009	Donor Lot HIP-009	1.5M cells	\$1,500
Midbrain/Hindbrain Neural Stem/Progenitor Cells			
Isolated from the midbrain/hindbrain region of human brain tissue characterized by immunocytochemistry with neural stem cell antibodies and differentiation potential with antibodies for specific neural sub-types, astrocytes and oligodendrocytes. For best results should be cultured in low oxygen conditions.			
23003-003	Donor Lot MHB-3	1.5M cells	\$1,100
23003-004	Donor Lot MHB-4	1.5M cells	\$1,100



NEW Human Neural Stem/Progenitor Cells Transitioned for Differentiation

Catalog #	Description	Unit Size	Cost
Pan-Neural Transitioned Neural Stem Cells			
Neural Stem Cells transitioned for differentiation into pan-neurons. When thawed into Neural Differentiation Media and cultured in low oxygen conditions for 21-28 day these NSCs will produce a robust population of functional neurons with many neural subtypes, astrocytes and oligodendrocytes. Will last in culture for greater than 60 days. For best results should be cultured in low oxygen conditions.			
27001-009	HIP-9 Transitioned Neural Stem Cells	1.5M cells	\$750

Dopaminergic Transitioned Neural Stem Cells			
Dopaminergic lineage committed Neural Stem Cells (DA-NSCs) transitioned for differentiation into dopaminergic neurons. When thawed into Dopaminergic Differentiation Media and cultured in low oxygen conditions for 21-28 day these DA-NSCs will produce a robust population of functional neurons with 50-70% of the neurons being TH+ dopaminergic neurons as well as astrocytes and oligodendrocytes. Will last in culture for greater than 60 days. For best results should be cultured in low oxygen conditions.			
27002-009	DA-H9 Dopaminergic Neural Stem Cells	1.5M cells	\$950

Human Neural Stem Cell Starter Kits – Offer 20% Discount If Ordered Separately

Catalog #	Description	Unit Size	Cost
Neural Starter Kit with Cortical Stem/Progenitor Cells			
Cortical Kit Contains			
<ul style="list-style-type: none"> • 1 Bottles Neural Stem Cell Growth Media 21001-250 • 1 Bottle Neural Transition Media 21003-250 • 1 Bottles Neural Differentiation 21004-250 • 1 Bottle Neural Freezing Media 21005-050 • 1 Bottle Trypsin 41004-100 • 1 Bottle Trypsin Inhibitor 41005-100 • 1 Vial of Cortical NSPCs 			
24001-002	Donor Lot CxB-2	Kit	\$1,550
24001-003	Donor Lot CxB-3	Kit	\$1,550
24001-004	Donor Lot CxB-4	Kit	\$1,550
24001-009	Donor Lot CxB-009	Kit	\$1,550

Neural Starter Kit with Hippocampal Neural Stem Cells			
Hippocampal Kit Contains			
<ul style="list-style-type: none"> • 1 Bottles Neural Stem Cell Growth Media 21001-250 • 1 Bottle Neural Transition Media 21003-250 • 1 Bottles Neural Differentiation 21004-250 • 1 Bottle Neural Freezing Media 21005-050 • 1 Bottle Trypsin 41004-100 • 1 Bottle Trypsin Inhibitor 41005-100 • 1 Vial of Hippocampal NSCs 			
24002-003	Donor Lot HIP-3	Kit	\$1,850
24002-005	Donor Lot HIP-005	Kit	\$1,850
24002-009	Donor Lot HIP-009	Kit	\$1,850

Neural Starter Kit with Midbrain/Hindbrain Stem/Progenitor Cells			
Midbrain/Hindbrain Kit Contains			
<ul style="list-style-type: none"> • 1 Bottles Neural Stem Cell Growth Media 21001-250 • 1 Bottle Neural Transition Media 21003-250 • 1 Bottles Neural Differentiation 21004-250 • 1 Bottle Neural Freezing Media 21005-050 • 1 Bottle Trypsin 41004-100 • 1 Bottle Trypsin Inhibitor 41005-100 • 1 Vial of Midbrain/Hindbrain NSPCs 			
24003-003	Donor Lot MHB-3	Kit	\$1,550
24003-004	Donor Lot MHB-4	Kit	\$1,550

CryoNeurons™ Frozen Human Neurons

Catalog #	Description	Unit Size	Cost
Human Cortical CryoNeurons™			
Includes 1 vial of cryopreserved human cortical neurons frozen on day 10-14 of differentiation that will produce mature functional neurons in 14-18 days post plating in Neural Differentiation Media. Will last in culture for greater than 60 days. Can be cultured in normal oxygen conditions.			
25001-001	Donor Lot CxB-1	4-5M cells	\$750
25001-002	Donor Lot CxB-2	4-5M cells	\$750
25001-003	Donor Lot CxB-3	4-5M cells	\$750
25001-004	Donor Lot CxB-4	4-5M cells	\$750
25001-009	Donor Lot CxB-009	4-5M cells	\$750
Human Hippocampal CryoNeurons™			
Includes 1 vial of cryopreserved human hippocampal neurons that will mature into functional neurons in 14-18 days post plating in Neural Differentiation Media. Will last in culture for greater than 60 days. Can be cultured in normal oxygen conditions.			
25002-003	Donor Lot HIP-3	4-5M cells	\$750
25002-005	Donor Lot HIP-005	4-5M cells	\$750
25002-009	Donor Lot HIP-009	4-5M cells	\$750
Human Midbrain/Hindbrain CryoNeurons™			
Includes 1 vial of cryopreserved human midbrain/hindbrain neurons that will mature into functional neurons in 14-18 days post plating in Neural Differentiation Media. Will last in culture for greater than 60 days. Can be cultured in normal oxygen conditions.			
25003-003	Donor Lot MHB-3	4-5M cells	\$750
25003-004	Donor Lot MHB-4	4-5M cells	\$750
Human Dopaminergic CryoNeurons™			
Includes 1 vial of cryopreserved human dopaminergic neurons that will mature into functional neurons in 14-18 days post plating in Dopaminergic Differentiation Media. Will last in culture for greater than 60 days. Can be cultured in normal oxygen conditions.			
25004-009	Donor Lot DA-H9	4-5M cells	\$950



PhoenixSongs Ethics Policy on Human Cells and Tissues

Human stem cells isolated from human tissues are distributed by PhoenixSongs for research purposes only. These donated tissues are obtained from US accredited organ procurement organizations. Consent is obtained from the donor, or donor's next of kin, and conforms to all country specific federal and local legal and ethical standards, including ICH, US HIPAA, US Uniform Anatomical Gift Act, US National Organ Transplant Act and UK HTA requirements.

From these organizations, a copy of the donor consent, medical history, and infectious disease testing for the presence of certain infectious diseases including HIV, HBV, HCV, CMV and RPR is received and reviewed to assure that the cells from each organ may be used for research purposes. Additionally, each tissue supplier working with PhoenixSongs has in place with the source facility material transfer agreements, as well as a review of the process by an internal or external ethics committee from each source facility. We review these documents at the initiation of any new donor source, and if there has been any change or revision to the process. These agreements as well as ethics reviews are reviewed and renewed periodically. Before isolating cells from these tissues, we review the donor consent paperwork to assure the isolation team that the donor, or donor's next of kin, has given consent for use of the cells obtained from these tissues for research purposes. The consent allows for the use and distribution of the cells both nationally and internationally without limitation. These reports and all other materials pertaining to the donor, the donated organ, and its processing are maintained in a physically secured location, with access available only to authorized persons. The records are stored in a manner to comply with US HIPAA regulations; the records are de-identified. Any reference to the donor's identity is removed.

Rat Neural Model Product Line

Reduce, Refine and Replace (3Rs) the use of animals for primary rat neurons with neural stem cells that can be expanded at scale and differentiated into mature neurons with excitatory and inhibitory synapses in a physiologically relevant *in vitro* model of rat neurons. One vial containing 1.5M NSCs can be expanded to greater than 10^9 NSCs in less than 10 passages when grown in our Neural StemCell Growth Media.



Rat Neural Stem/Progenitor Cells

Catalog #	Description	Unit Size	t Cost
Rat Cortical Stem/Progenitors			
	Isolated from the cortex of Harlan Sprague Dawley E18 rat brain tissue characterized by immunocytochemistry with neural stem cell antibodies and differentiation potential with antibodies for specific neural sub-types, astrocytes and oligodendrocytes. For best results should be cultured in low oxygen conditions.		
23005-001	Donor Lot RCxB-1	1.5M cells	\$450
23005-002	Donor Lot RCxB-2	1.5M cells	\$450
Rat Hippocampal Neural Stem/Progenitor Cells			
	Isolated from the hippocampus of Harlan Sprague Dawley E18 brain tissue characterized by immunocytochemistry with neural stem cell antibodies and differentiation potential with antibodies for specific neural sub-types, astrocytes and oligodendrocytes. For best results should be cultured in low oxygen conditions.		
23006-001	Donor Lot RHIP-1	1.5M cells	\$450
23006-002	Donor Lot RHIP-2	1.5M cells	\$450
Rat Midbrain/Hindbrain Neural Stem/Progenitor Cells			
	Isolated from the midbrain/hindbrain region of Harlan Sprague Dawley E18 rat brain tissue characterized by immunocytochemistry with neural stem cell antibodies and differentiation potential with antibodies for specific neural sub-types, astrocytes and oligodendrocytes. For best results should be cultured in low oxygen conditions.		
23007-001	Donor Lot RMHB-1	1.5M cells	\$450
23007-002	Donor Lot RMHB-2	1.5M cells	\$450

Rat Neural Stem/Progenitor Cell Starter Kits – Offer 20% Discount If Ordered Separately

Catalog #	Description	Unit Size	Cost
Rat Neural Starter Kit with Cortical Neural Stem/Progenitor Cells			
Cortical Kit Contains			
<ul style="list-style-type: none"> • 1 Bottles Neural Stem Cell Growth Media 21001-250 • 1 Bottle Neural Transition Media 21003-250 • 1 Bottles Neural Differentiation 21004-250 • 1 Bottle Neural Freezing Media 21005-050 • 1 Bottle Trypsin 41004-100 • 1 Bottle Trypsin Inhibitor 41005-100 • 1 Vial of rat Cortical NSPCs 			
24005-001	Donor Lot RCxB-1	Kit	\$1000
24005-002	Donor Lot RCxB-2	Kit	\$1000
Rat Neural Starter Kit with Hippocampal Neural Stem/Progenitor Cells			
Hippocampal Kit Contains			
<ul style="list-style-type: none"> • 1 Bottles Neural Stem Cell Growth Media 21001-250 • 1 Bottle Neural Transition Media 21003-250 • 1 Bottles Neural Differentiation 21004-250 • 1 Bottle Neural Freezing Media 21005-050 • 1 Bottle Trypsin 41004-100 • 1 Bottle Trypsin Inhibitor 41005-100 • 1 Vial of rat Hippocampal NSPCs 			
24006-001	Donor Lot RHIP-1	Kit	\$1000
24006-002	Donor Lot RHIP-2	Kit	\$1000
Rat Neural Starter Kit with Midbrain/Hindbrain Neural Stem/Progenitor Cells			
Midbrain/Hindbrain Kit Contains			
<ul style="list-style-type: none"> • 1 Bottles Neural Stem Cell Growth Media 21001-250 • 1 Bottle Neural Transition Media 21003-250 • 1 Bottles Neural Differentiation 21004-250 • 1 Bottle Neural Freezing Media 21005-050 • 1 Bottle Trypsin 41004-100 • 1 Bottle Trypsin Inhibitor 41005-100 • 1 Vial of rat Midbrain/Hindbrain NSPCs 			
24007-001	Donor Lot RMHB-1	Kit	\$1000
24007-002	Donor Lot RMHB-2	Kit	\$1000

CryoNeurons™ Frozen Rat Neurons

Catalog #	Description	Unit Size	Cost
Rat Cortical CryoNeurons™			
Includes 1 vial of cryopreserved rat cortical neural cells that will differentiate into mature functional neurons in 10-12 days post plating in Neural Differentiation Media. Can be cultured in normal oxygen conditions.			
25005-001	Donor Lot RCxB-1	1.5M cells	\$250
25005-002	Donor Lot RCxB-2	1.5M cells	\$250
Rat Hippocampal CryoNeurons™			
Includes 1 vial of cryopreserved rat hippocampal neural cells that will differentiate into mature functional neurons in 10-12 days post plating in Neural Differentiation Media. Can be cultured in normal oxygen conditions.			
25006-001	Donor Lot RHIP-1	1.5M cells	\$250
25006-002	Donor Lot RHIP-2	1.5M cells	\$250
Rat Midbrain/Hindbrain CryoNeurons™			
Includes 1 vial of cryopreserved rat midbrain/hindbrain neural cells that will differentiate into mature functional neurons in 10-12 days post plating in Neural Differentiation Media. Can be cultured in normal oxygen conditions.			
25007-001	Donor Lot RMHB-1	1.5M cells	\$250
25007-002	Donor Lot RMHB-2	1.5M cells	\$250

Reagents for Neural Cells

Catalog #	Description	Unit Size	Unit Cost
41001-500	D-PBS w/ Ca ⁺⁺ , Mg ⁺⁺	500 ml	\$15
41002-500	D-PBS w/o Ca ⁺⁺ , Mg ⁺⁺	500 ml	\$15
41004-100	Trypsin, Hank's based 0.05% Trypsin, 0.5 mM EDTA	100 ml	\$9
41005-100	Soybean Trypsin Inhibitor 0.025% in PBS	100 ml	\$28

For Ordering Information, Customer Service, or Technical Support,
Please email info@phoenixsongsbio.com or dial (Toll Free) **866.702.0260** or (Toll) **203-433-4329**

Please visit our website for additional information.
www.phoenixsongsbio.com

