

Materials List for:

Isolation, Culture and Long-Term Maintenance of Primary Mesencephalic Dopaminergic Neurons From Embryonic Rodent Brains

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Materials

Name	Company	Catalog Number	Comments
Dulbecco's modified Eagle medium nutrient mixture F-12	Invitrogen	11330	
Hanks' Balanced Salt Solution (HBSS) (1X), liquid	Invitrogen	24020-117	
Fetal bovine serum, heat-inactivated (FBS)	Invitrogen	16140	
N2 Supplement (100X), liquid	Invitrogen	17502-048	
D-(+)-Glucose solution (45% (wt/vol) in water	Sigma	G8769	
Bovine serum albumin BSA	Sigma	A9430	
Laminin from Engelbreth-Holm-Swarm murine sarcoma basement membrane	Sigma	L2020	
Penicillin/streptomycin	Invitrogen	15070	
Trypsin (0.05% (wt/vol)	Invitrogen	25300	
Bovine serum albumin (BSA) cell culture tested	Sigma	A9418	
Phosphate-buffered saline (PBS)	Sigma	P3813	
Anti-Tyrosine hydroxylase (Th) antibody	Pel-Freez Biologicals	P60101-0	
Poly-L-ornithine, 0.01% solution	Sigma	P4957	
Anti-Map2 (Microtubule associated protein-2A and -2B) antibody	Millipore	MAB3418	
Anti-Synapsin-1 antibody	Millipore	AB1543P	
Alexa Fluor 488 donkey anti-rabbit IgG antibody	Molecular Probes	A-21206	
Alexa Fluor 594 donkey anti-rabbit IgG antibody	Molecular Probes	A-21207	
Alexa Fluor 488 donkey anti-sheep IgG antibody	Molecular Probes	A-11015	
Alexa Fluor 594 donkey anti-sheep IgG antibody	Molecular Probes	A-11016	
Alexa Fluor 594 donkey anti-mouse IgG antibody	Molecular Probes	A-21203	
Trypan blue solution (0.4% (wt/vol))	Biowhittaker	17-942E	
Stereo Microscope	Carl Zeiss	Stemi 2000-C	

Inverted phase contrast microscope	Carl Zeiss	Axiovert 40 C	
Dumont Forceps	Fine Scientific Tools	May-45	
Cover Slip Forceps – Dumoxel	Fine Scientific Tools	11251-33	
Two Dumont #45 Forceps – Dumoxel	Fine Scientific Tools	11245-30	
Blade Holder/Breaker Flat Grip - 11cm	Fine Scientific Tools	10052-11	
Student Iris Scissors - Straight 11.5 cm	Fine Scientific Tools	91460-11	
Fiber optic halogen illuminator	Nikon	MKII	
Disposable Borosilicate Glass Pasteur Pipettes	Fisherbrand	13-678-20C	
Hemocytometer	Proscitech	SVZ2NIOU	
0.2 µm sterile filter units	Nalgene	NL-CE-156-4020	
100x20 mm Petri dishes	BD Biosciences	351005	
Round Cover Slip #1 Thickness German Glass 12 mm	Bellco Glass	1943-10012	