

Materials List for:

An Approach to Enhance Alignment and Myelination of Dorsal Root Ganglion Neurons

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Materials

Name	Company	Catalog Number	Comments
Neurobasal Medium 1x	GibcoBRL	21103-049	
B27 Supplement 50x	GibcoBRL	17504-044	
Glutamax-I 100x	GibcoBRL	35050-061	
Albumax-I	GibcoBRL	11020-021	
Nerve Growth Factor-7S	Invitrogen	13290-010	
Penicillin-streptomycin	GibcoBRL	15140-122	
0.05% Trypsin-EDTA/1 mM EDTA	GibcoBRL	25300-054	
Poly-L-Lysine	Trevigen	3438-100-01	
Poly-D-Lysine	Sigma	p-6407	
Fluoro-2 deoxy-uridine	Sigma	F0503	
Uridine	Sigma	U3003	
Hank's Balanced Salt Solution (HBSS)	Invitrogen	14170-112	Isolation Buffer
Type I Collagenase	Worthington	LS004196	
DMEM	Gibco	11885	
Heat inactivated Fetal Bovine Serum	Hyclone	SH30080.03	
BPE	Clonetics	CC-4009	
Forskolin	Calbiochem	344270	
Silicone chamber	Greiner bio-one	FlexiPERM ConA	
Plasma cleaning/etching system	March Instruments	PX-250	
Anti-Thy 1.1 antibody	Sigma- Aldrich	M7898	
Rabbit Complement	Sigma- Aldrich	S-7764	
Standard growth medium			For 500 ml Neurobasal Medium 1x, add 10 ml of B-27 50x, 5 ml of Glutamax-I 100x, 2.5 ml of Penicillin/Streptomycin (Penn/ Strep), 1 ml of Albumax-I, and 1 µl of NGF-- 7S (50 µg/ml).
FDU Uridine stock solution			FDU 100 mg in 10 ml of ddH ₂ O (10 mg/ml), filter in the hood and divided in 500 µl aliquots and store at -20 °C. Uridine 5 g in 166.7 ml of ddH ₂ O (33 mg/ml), filter in hood, divide in 200 µl aliquots and store at -20 °C. Take 61.5 µl of FDU (10 mg/ml) and 20.5 µl of Uridine(33 mg/ml), and add 4,918 µl of ddH ₂ O

			to a final stock concentration, then divide in 1 ml aliquots and store at -20 °C.
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