

Materials List for:

Preparation of Dissociated Mouse Cortical Neuron Cultures

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Materials

Name	Company	Catalog Number	Comments
5-Fluoro-2'-deoxyuridine	Sigma-Aldrich	F0503	
Sodium Chloride	Sigma-Aldrich	S9625	
Vibraslicer	Campden Instruments		
Potassium Chloride	Sigma-Aldrich	P4504	
Sodium Phosphate Dibasic	Sigma-Aldrich	S0876	
Potassium Phosphate Monobasic	Sigma-Aldrich	P5379	
Hepes	Sigma-Aldrich	H3375	
D (+)-Glucose	Sigma-Aldrich	G8270	
Sucrose	Sigma-Aldrich	S0389	
Poly-D-Lysine	Sigma-Aldrich	P7280	
B27 Supplement	Invitrogen	17504-044	
Neurobasal Media (NBM)	Invitrogen	21103-049	
2-Amino-5-phosphonopentanoic acid	Sigma-Aldrich	A5282	
Bovine Albumin	Sigma-Aldrich	A7030	
Trypsin Inhibitor	Sigma-Aldrich	T9253	
Sodium Hydroxide, 1N solution	Fisher Scientific	SS266-1	
L-Cysteine	Sigma-Aldrich	C7755	
Bacto Agar	Difco Laboratories	0140-01	
Papain	Worthington Biochemical	LS 03126	
Sterile 0.2 µm Syringe Filter	Fisher Scientific	DDA02025S0	
Glass Coverslips, No1, 12mm	Bellco Glass	1943-00012	
Minimum Essential Media (MEM)	Invitrogen	11090-081	with Earle's salt without L-glutamine, needed for growing non-neuronal cultures
Penicillin/Streptomycin	Invitrogen	15070-063	for non-neuronal culture
Fetal Bovine Serum	Invitrogen	16140-071	needed for non-neuronal cultures
Nunclon "Triple Flask" Tissue Culture Bottle	Fisher Scientific	12-565-25	Use for non-neuronal cultures. these flasks are very convenient when producing "conditioned Neurobasal Media/B27", but any other tissue culture flasks or dishes can be used instead.
Glass bottom "Imaging dishes"	MatTek Corp.	P35G-1.5-10-C	Glass bottomed, 35mm culture dishes ideal for Calcium or Sodium Imaging when using an inverted imaging setup. But expensive!