

Materials List for:

An *In-vitro* Preparation of Isolated Enteric Neurons and Glia from the Myenteric Plexus of the Adult Mouse

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Materials

Name	Company	Catalog Number	Comments
Reagents			
Fisherbrand Coverglass for Growth Cover Glasses (12 mm diameter)	Fisher Scientific	12-545-82	
Poly-D-lysine	Sigma	P6407- 5 mg	
24-well cell culture plate	CELLTREAT	229124	May use any brand
Laminin	BD Biosciences	354 232	
ddH ₂ O			Can prepare in lab
15 ml Sterile Centrifuge Tube	Greiner Bio-one	188261	May use any brand
50 ml Sterile Centrifuge Tube	Greiner Bio-one	227261	May use any brand
NaCl	Fisher BioReagents	BP358-212	MW 58.44
KCl	Fisher BioReagents	BP366-500	MW 74.55
NaH ₂ PO ₄ .2H ₂ O	Fisher Chemicals	S369-3	MW137.99
MgSO ₄	Sigma Aldrich	M7506-500G	MW 120.4
NaHCO ₃	Sigma Aldrich	S6014-5KG	MW 84.01
glucose	Fisher Chemicals	D16-1	MW 180.16
CaCl ₂ ·2H ₂ O	Sigma Aldrich	C5080-500G	MW 147.02
F12 media	Gibco	11330	
Fetal Bovine Serum	Quality Biological Inc.	110-001-101HI	May use any brand
Antibiotic/antimycotic 100x liquid	Gibco	15240-062	
Neurobasal A media	Gibco	10888	
200 mM L-glutamine	Gibco	25030164	
Glial Derived Neurotrophic Factor (GDNF)	Neuromics	PR27022	
Sharp-Pointed Dissecting Scissors	Fisher Scientific	8940	May use any brand
Dissecting Tissue Forceps	Fisher Scientific	13-812-41	May use any brand
Cotton-Tipped Applicators	Fisher Scientific	23-400-101	May use any brand
250 ml Graduated Glass Beaker	Fisher Scientific	FB-100-250	May use any brand
2 L Glass Erlenmyer flask	Fisher Scientific	FB-500-2000	May use any brand
Plastic rod (child's paint brush)	Crayola	05 3516	May use any brand
Carbogen	Airgas	UN 3156	5% CO ₂
10 ml Leur-lock Syringe	Becton Dickinson	309604	May use any brand
21 G x 1 1/2 in. Hypodermic Needle	Becton Dickinson	305167	May use any brand
Collagenase type 2	Worthington	LS004174	

Bovine Serum Albumin	American Bioanalytical	AB00440	
2 ml Microcentrifuge Eppendorf tubes	Fisher Scientific	13-864-252	May use any brand
Nitrex Mesh 500 μ M	Elko Filtering Co	100560	May use any brand
Pipette Set	Fisher Scientific	21-377-328	May use any brand
Sharpeining Stone	Fisher Scientific	NC9681212	May use any brand
Equipment			
LabGard ES 425 Biological Safety Cabinet (cell culture hood)	Nuaire	NU-425-400	May use any brand
10 L Shaking Waterbath	Edvotek	5027	May use any brand
Microcentrifuge 5417R	Eppendorf	5417R	May use a single larger centrifuge with size adapters
Allegra 6 Series Centrifuge	Beckman Coulter	366816	May use any brand
HuluMixer Sample Mixer	Invitrogen	15920D	
AutoFlow Water Jacket CO2 Incubator	Nuiare	NU-4750	May use any brand
Analytical Balance Scale	Mettler Toledo	XS104	May use any brand