

Materials List for

Culturing Rat Sympathetic Neurons from Embryonic Superior Cervical Ganglia for Morphological and Proteomic Analysis

Megan Holt¹, Brandon Adams¹, Vidya Chandrasekaran¹

¹Department of Biology, Saint Mary's College of California

Corresponding Author

Vidya Chandrasekaran

vc5@stmarys-ca.edu

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jove.com/video/61283

Materials

Name	Company	Catalog Number	Comments
2D nanoACQUITY	Waters Corporation		
Ammonium bicarbonate	Sigma-Aldrich	9830	
BMP-7	R&D Systems	354-BP	
Bovine Serum Alumin	Sigma-Aldrich	5470	
Cell scraper	Corning	CLS-3010	
Collagenase	Worthington Biochemical	4176	
Corning Costar or Nunc Flat bottomed Cell culture plates	Fisher Scientific	07-200, 140675, 142475	
Cytosine- β - D-arabinofuranoside	Sigma-Aldrich	C1768	
D-phosphate buffered saline (Calcium and magnesium free)	ATCC	30-2200	
Dispase II	Roche	4942078001	
Distilled Water	Thermo Fisher Scientific	15230	
Dithiothreitol	Sigma-Aldrich	D0632	
DMEM - Low glucose + Glutamine, + sodium pyruvate	Thermo Fisher Scientific	11885	
Fatty Acid Free BSA	Calbiochem	126609	20 mg/mL stock in low glucose DMEM
Fine forceps Dumont no.4 and no.5	Ted Pella Inc	5621, 5622	
Forceps and Scissors for Dissection	Ted Pella Inc	1328, 1329, 5002	
Glass coverlips - 12mm	Neuvitro Corporation	GG-12	
Goat-Anti Mouse IgG Alexa 488 conjugated	Thermo Fisher Scientific	A32723	
Ham's F-12 Nutrient Mix	Thermo Fisher Scientific	11765	
Hank's balanced salt solution (Calcium and Magnesium free)	Thermo Fisher Scientific	14185	
Insulin-Selenium-Transferrin (100X)	Thermo Fisher Scientific	41400-045	
Iodoacetamide	Sigma-Aldrich	A3221	

L-Glutamine	Thermo Fisher Scientific	25030	
Leibovitz L-15 medium	Thermo Fisher Scientific	11415064	
Mounting media for glass coverslips	Thermo Fisher Scientific	P36931, P36934	
Mouse-anti- MAP2 antibody (SMI-52)	BioLegend	SMI 52	
Nerve growth factor	Envigo Bioproducts (formerly Harlan Bioproducts)	BT5017	Stock 125 µg/mL in 0.2% Prionex in DMEM
Paraformaldehyde	Spectrum Chemicals	P1010	
Penicillin-Streptomycin (100X)	Thermo Fisher Scientific	15140	
Poly-D-Lysine	Sigma-Aldrich	P0899	
Prionex	Millipore	529600	10% solution, 100 mL
RapiGest SF	Waters Corporation	186001861	5 X 1 mg
Synapt G2 High Definition Mass Spectrometry	Waters Corporation		
Trifluoro acetic acid - Sequencing grade	Thermo Fisher Scientific	28904	10 X 1 mL
Triton X-100	Sigma-Aldrich	X100	
Trypsin	Promega or NEB	V511A, P8101S	100 µg or 5 X 20 mg
Waters Total recovery vials	Waters Corporation	186000385c	