

Materials List for:

An *In Vitro* Adult Mouse Muscle-nerve Preparation for Studying the Firing Properties of Muscle Afferents

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Materials

Name	Company	Catalog Number	Comments
Force and Length Controller & Tissue Bath	Aurora Scientific, Inc.	300C-LR & 809B-IV	
Masterflex L/S Digital Drive Perfusion Pump & Easy Load II Pump Head	Cole Parmer	EW-07523-80 & EW-77200-60	
2 Channel Microelectrode AC Differential Amplifier & Headstage Amplifier	A-M Systems	Model 1800; 700000 & 700500	
Simulator	Grass OR Aurora Scientific, Inc.	S88 OR 701 C	
Dissecting Microscope	Swift	892070	
Fiber Optic Light Source	Fiberlite	Model 190	
Analog to Digital Board	AD Instruments	PL3508/P (PowerLab 8/35)	
Data Acquisition & Analysis Software	AD Instruments	LabChart Pro 7	
Electrode Holder	A-M Systems	672445	
Electrode Glass	Dagan	SA16	
Electrode Puller	Sutter Instrument Co.	P-80/PC	
Microforge	Narishige	MF-9	
Isoflurane	MWI Veterinary Supply	18627	
Surgical Tools			
Large Dissecting Scissors	Fine Science Tools	14014-17	
Large Forceps	Fine Science Tools	11000-12	
Large Spring Scissors	Fine Science Tools	15006-09	
#5 Forceps	Fine Science Tools	11252-20	
#55 Forceps	Fine Science Tools	11255-20	
Sharp Scissors	Fine Science Tools	14059-11	
6-0 Silk Suture	Fine Science Tools	18020-50	
Chemicals for Low Calcium- High Magnesium aCSF and SIF (Low Calcium solution is equilibrated with 95% O ₂ /5% CO ₂ gas and pH of 7.4 ± 0.05; SIF is equilibrated with 100% O ₂ gas and pH of 7.4 ± 0.05)			

Sodium chloride	Sigma	S9888-1KG	
Magnesium sulfate heptahydrate	Sigma	230391-500G	
Calcium chloride dihydrate	Sigma	223506-500G	
Sodium gluconate	Sigma	S2054-500G	
Sodium phosphate monobasic	Sigma	S8282-500G	
Glucose	Sigma	G5767-500G	
Sucrose	Sigma	S5016-500G	
HEPES	Sigma	H3375-250G	
Potassium phosphate monobasic	Sigma	P0662-500G	
Potassium chloride	Sigma	P3911-500G	
Sodium bicarbonate	Sigma	S6014-500G	