

Materials List for:

Prolonged Incubation of Acute Neuronal Tissue for Electrophysiology and Calcium-imaging

Morven A. Cameron¹, Orsolya Kekesi^{1,2}, John W. Morley^{1,2}, Alba Bellot-Saez^{1,2}, Sindy Kueh², Paul Breen¹, André van Schaik¹, Jonathan Tapson¹, Yossi Buskila^{1,2}

¹The MARCS Institute, Western Sydney University

²School of Medicine, Western Sydney University

Correspondence to: Yossi Buskila at Y.Buskila@westernsydney.edu.au

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Materials

Name	Company	Catalog Number	Comments
Sodium Chloride	Sigma Aldrich VETEC	V800372	
Potassium chloride	Sigma Aldrich	P9333	
N-Methyl-D-glucamine	Sigma Aldrich	M2004	
D-glucose	Sigma Aldrich	G5767	
Sodium bicarbonate	Sigma Aldrich	S6014	
Sodium phosphate monobasic	Sigma Aldrich	S2554	
Magnesium chloride	Sigma Aldrich	M9272	
Calcium chloride	Sigma Aldrich	223506	
Papain Dissociation System	Worthington	LK003150	
Dimethyl sulfoxide anhydrous	Sigma Aldrich	276855	
Pluronic F-127 Low UV absorbance*	Life technologies	P-6867	20% solution in DMSO
Fura-2 AM	Anaspec	84017	
Fluo-4 AM	Life Technologies	F23917	
Fluo-8 AM	Abcam	Ab142773	
Vibrating blade microtome	Leica Biosystem	VT1200 S	Equipped with Leica's Vibrocheck™ measurement device
Antivibration table	Kinetic Systems Vibraplane	Vibraplane 9100/9200	
Fixed Stage Upright Microscope	Olympus	BX51WI	
Microscope Objective	Olympus	XLUMPlanFLN 20x/1.00w	20X
Microscope Objective	Olympus	LUMPlanFLN 60x/1.00w	60X
CCD Camera	Andor	Ixon +	
High speed wavelength switcher	Sutter instrument	Lambda DG-4	
Patch clamp amplifier	Molecular Devices	MultiClamp 700B	
Data acquisition system	Molecular Devices	Digidata 1440A	Axon Digidata® System
Borosilicate glass capillaries	Sutter Instrument Co	BF150-86-10	
Microelectrode puller	Sutter Instrument Co	P-97	Flaming/Brown type micropipette puller
Recording/perfusion chamber	Warner Instruments	RC-40LP	Low Profile Open Bath Chambers
Software	Molecular Devices	pClamp 10.2	
Andor iQ Live Cell Imaging Software	Andor	Andor iQ3	
Braincubator	Payo Scientific	BR26021976	www.braincubator.com.au

Peltier-Thermoelectric Cold Plate Cooler	TE Technology	CP-121	
Temperature Controller	TE Technology	TC-36-25 RS232	