

Materials List for:

Focal Macropatch Recordings of Synaptic Currents from the *Drosophila* Larval Neuromuscular Junction

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Materials

Name	Company	Catalog Number	Comments
Sutter P-97	Sutter instrument	P-97	Microelectrode puller
Narishige MF-830	Narishige	MF-830	Microforge
WPI MF200	WPI	MF200	Microforge
Glass capillaries	WPI	B150-86-10	Glass capillaries
Microtorch 1WG61	Grainer	1WG61	Microtorch
Sylgard 184 Silicone Elastomer Kit	Dow Corning	SYLGARD 184	Silicone for dissection plates preparation
Dissection pins	Amazon	B00J5PMPJA	Pins for larvae positioning
Tweezers	WPIINC	500342	Tweezers for placing pins, removing the guts and tracheas.
Scissors	WPIINC	501778	Scissors for cutting the cuticula of the larvae and nerves.
Olympus BX61WI	Olympus	BX61WI	Upright microscope
Olympus Lumplan FL N 60x	Olympus	UPLFLN 60X	Microscope objective 60X
Olympus UPlan FL N 10x	Olympus	Uplanfl N 10X	Microscope objective 10X
Narishige Micromanipulator	Narishige	MHW-3	Three-axis Water Hydraulic Micromanipulator
npi Electronic GmbH ELC-03XS	npi Electronic GmbH	ELC-03XS	Electrophysiological amplifier
A.M.P.I Master 8	A.M.P.I.	Master 8	Electrical stimulator
A.M.P.I Iso-Flex	A.M.P.I.	Iso-Flex	Stimulus isolator
TMC antivibration table	TMC	63-9090	Antivibration table
TMC Faraday cage	TMC	81-333-90	Faraday cage
Digidata 1322A	Axon Instruments	Digidata 1322A	Digidata
Computer	Dell	Dell Dimension 5150	Computer with Win XP OS
Electrode holder	WPI	MEH3SW	Electrode holder
Optical filter	Omega optical	XF 115-2	Filter cube for Green Fluorescent Protein (GFP) detection
pCLAMP 8	Axon Instruments	8.0.0.81	Software for signal recording
Quantan	In-house software	-	Software for signal processing
Canton-S (Wildtype)	Bloomington Stock Center	64349	Control fly line
cpx SH1	Generous Gift of J.T. Littleton	-	Complexin knock-out fly line with increased spontaneous exocytosis
CD8-GFP	Bloomington Stock Center	5137	Fly line with neuronal fluorescent (GFP) Tag