

Materials List for:

Why Quantification Matters: Characterization of Phenotypes at the *Drosophila* Larval Neuromuscular Junction

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Materials

Name	Company	Catalog Number	Comments
Micro-Forceps 0.3 mm x 0.25 mm	Fine Science Tools	11030-12	
Sylgard dissection plates	SIGMA-ALDRICH	76103	Mix the pre-weighed elastomer base with curing agent. Pour the mixture into a 5 cm Petri dish. Let cure it at 60 °C for at least 24 hr
Stainless/Steel Minutien Pins 0.1 mm diameter	Fine Science Tools	26002-10	
Microdissection scissors (ultra-fine)	Fine Science Tools	15200-00	
1x PBS (Phosphate Buffered Saline). Composition: 3 mM NaH ₂ PO ₄ , 7 mM Na ₂ HPO ₄ , 130 mM NaCl, pH 7			NaH ₂ PO ₄ (SIGMA-S8282), Na ₂ HPO ₄ (SIGMA-S7907), NaCl (SIGMA-S7653)
Bouin's Solution. Composition: Picric Acid, Formaldehyde, Acetic Acid (15:10:1)			Picric Acid (SIGMA 197378), Formaldehyde (F8775), Acetic Acid (SIGMA-1005706)
1x PBT (Phosphate Buffered Saline with Triton). 1x PBS + 0.1% Triton			Triton-X100. SIGMA-T8787
Normal Goat Serum	SIGMA	G9023	
Guinea Pig anti-DVAP antibody			Provided by Dr. Giuseppa Pennetta (University of Edinburgh, UK). Use at 1:200 dilution in 5% NGS
Rabbit anti-HRP (Horseradish peroxidase)	Jackson ImmunoResearch	123-065-021	Use at 1:500 dilution in PBT containing 5% NGS
Rabbit anti-Lamin antibody			Provided by Dr. Paul Fisher (State University of New York at Stony Brook). Use at 1:500 dilution in PBT containing 5% NGS
TO-PRO-3	Molecular Probes	T3605	
Goat anti-rabbit antibody, Alexa Fluor488, conjugated	Jackson ImmunoResearch	bs-295G-A555-BSS	Use at 1:500 dilution in PBT containing 5% NGS
Goat anti-guinea pig IgG antibody, Cy3, conjugated	Jackson ImmunoResearch	bs-0358G-Cy3-BSS	Use at 1:500 dilution in PBT containing 5% NGS
Vectashield mounting medium for fluorescence	Vector laboratories	H-1000	