

Materials List for

Dissection and Immunohistochemistry of the *Drosophila* Adult Leg to Detect Changes at the Neuromuscular Junction for an Identified Motor Neuron

Geoff Stilwell¹, Anthony Agudelo^{*1,2}

¹Department of Biology, Rhode Island College ²Department of Pediatrics, Women and Infants Hospital, Warren Alpert Medical School of Brown University

*These authors contributed equally

Corresponding Author

Geoff Stilwell
gstilwell@ric.edu

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jove.com/video/62844

Materials

Name	Company	Catalog Number	Comments
10x Phosphate Buffered Saline	Fisher Scientific	BP3991	
24 well plates	Corning	3473	Hydrophobic, ultra-low attachment surface
2x objective accessory	Olympus	110AL2X	Screw-on attachment
Anti-ATP5A primary antibody	Abcam	ab14748	Mouse monoclonal
Anti-bruchpilot primary antibody	Developmental Studies Hybridoma Bank	nc82	Mouse monoclonal
Anti-discs large primary antibody	Developmental Studies Hybridoma Bank	4F3	Mouse monoclonal
Anti-hrp primary antibody	Jackson Immuno Research	123-605-021	Alexa Fluor 647 conjugated polyclonal
Anti-polyubiquitin (FK2) primary antibody	Millipore Sigma	04-263	Mouse monoclonal
Confocal Microscope	Olympus	FV1000	Objectives (NA): 10x (0.4), 20x (0.85), 40x (1.20), 60x (1.42), 100x (1.40)
Coverslips	Corning	285022	160-190 mm thickness
Dissecting forceps	Fine Science Tools	11252-00	Dumont #5SF
Dissecting Microscope	Olympus	SZ61	
Formaldehyde	Fisher Scientific	BP531-500	37% stock stabilized with methanol
Goat anti-mouse secondary antibody	Jackson Immuno Research	115-545-146	Alexa Fluor 488 conjugated
Goat Serum	Novus Biologicals	NB036768	0.2 mm filtered
Laboratory sealing tape	Fisher Scientific	03-448-254	Parafilm M
Methanol	Fisher Scientific	A413	
Microscope Slides	Fisher Scientific	12-550-123	76mm x 25mm
Mounting media	Molecular Probes	S36972	Slowfade Diamond mounting media
Nonionic surfactant	Acros Organics	215680010	Triton-X 100

Nutator	Fisher Scientific	S06622	
Phalloidin	Invitrogen	A34055	Alexa Fluor 555- conjugated
Sharpening stone	Fine Science Tools	29008-01	
Silicone elastomer	Electron Microscopy Sciences	2423610	Sylgard 184