

Materials List for

Laser Cell Ablation in Intact *Drosophila* Larvae Reveals Synaptic Competition

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jove.com/video/67053

Materials

Name	Company	Catalog Number	Comments
Alexa Fluor 488 AffiniPure Goat Anti-Rabbit IgG (H+L)	Jackson ImmunoResearch	111-545-003	
Anti-green fluorescent protein, rabbit	Fisher Scientific	A11122	1:500 concentration
Apo LWD 25x/1.10W Objective	Nikon	MRD77220	water immersion long working distance
Bovine Serum Albumin (BSA)	Sigma	B4287-25G	
Chameleon Ti:Sapphire Vision II Laser	Coherent		
Cotton Ball	Genesee Scientific	51-101	
Dextra, Tetramethylrhodamine, 10,000 MW, Lysine Fixable (fluoro-Ruby)	Fisher Scientific	D1817	
<i>Drosophila</i> saline			recipe from Gu and O'Dowd, 2006
Ethyl Ether	Fisher Scientific	E134-1	Danger, Flammable liquid
Fly food B (Bloomington recipe)	LabExpress	7001-NV	
Methyl salicylate	Fisher Scientific	O3695-500	
Microcentrifuge tube 1.5 mL	Eppendorf	22363204	
Microscope cover-slip 18x18 #1.5	Fisher Scientific	12-541A	
Neurobiotin Tracer	Vector Laboratories	SP-1120	
Nikon A1R multi-photon microscope	Nikon		on an upright FN1 microscope stand
NIS Elements Advanced Research	Nikon		Acquisition and data analysis software
Paraformaldehyde (PFA)	Fisher Scientific	T353-500	
PBS (Phosphate Buffered Salin)	Fisher BioReagents	BP2944-100	Tablets
R91H05-Gal4	Bloomington <i>Drosophila</i> Stock Center	40594	
shakB(lethal)-GAL4	Bloomington <i>Drosophila</i> Stock Center	51633	
Superfrost microscope glass slide	Fisher Scientific	12-550-143	
Triton X-100	Fisher Scientific	422355000	detergent solution

UAS-10xGFP	Bloomington Drosophila Stock Center	32185	
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