

Materials List for:

Morphological and Functional Evaluation of Axons and their Synapses during Axon Death in *Drosophila melanogaster*

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URL: <https://www.jove.com/video/60865>

DOI: [doi:10.3791/60865](https://doi.org/10.3791/60865)

Materials

Name	Company	Catalog Number	Comments
Tweezers (high precision, ultra fine)	EMS	78520-5	Antennal ablation
MicroPoint Scissors (5-mm cutting edge)	EMS	72933-04	Wing injury
1.5 mL microcentrifuge tube	Eppendorf	30120086.0000	
35mm tissue culture dish	Sarstedt	83.3900	
Cover Slips, Thickness 1	Thermo Scientific™	BB02400600A113MNT0	
Superfrost Microscope Slides	Thermo Scientific™	AA00008032E00MNT10	
High-Sensitivity USB 2.0 CMOS Camera, 1280 x 1024, Global Shutter	Thorlabs	DCC1240M	Camera setup
SM1 Retaining Ring for Ø1" Lens Tubes and Mounts	Thorlabs	SM1RR	
25mm 1/1.2" C mount Lens	Tamron	M112FM25	
Adapter with External M27 x 0.5 Threads and Internal SM1 Threads	Thorlabs	SM1A36	
Aspheric Condenser Lens, Ø25 mm, f=20.1 mm, NA=0.60, ARC: 650-1050 nm	Thorlabs	ACL2520U-B	
Ø25.0 mm Premium Longpass Filter, Cut-On Wavelength: 700 nm	Thorlabs	FELH0700	
SM1 (1.035"-40) Coupler, External Threads, 0.5" Long	Thorlabs	SM1T2	
SM1 Lens Tube Without External Threads, 1" Long, Two Retaining Rings Included	Thorlabs	SM1M10	
850 nm, 900 mW (Min) Mounted LED, 1200 mA	Thorlabs	M850L3	IR LED spotlight
SM1 (1.035"-40) Coupler, External Threads, 0.5" Long	Thorlabs	SM1T2	
SM1 Lens Tube Without External Threads, 2" Long, Two Retaining Rings Included	Thorlabs	SM1M20	
Aspheric Condenser Lens, Ø25 mm, f=20.1 mm, NA=0.60, ARC: 650-1050 nm	Thorlabs	ACL2520U-B	
Ø25.0 mm Premium Longpass Filter, Cut-On Wavelength: 850 nm	Thorlabs	FELH0850	
SM1 Retaining Ring for Ø1" Lens Tubes and Mounts	Thorlabs	SM1RR	

660 nm, 940 mW (Min) Mounted LED, 1200 mA	Thorlabs	M660L4	Red LED spotlight
Aspheric Condenser Lens, Ø25 mm, f=20.1 mm, NA=0.60, ARC: 650-1050 nm	Thorlabs	ACL2520U-B	
SM1 (1.035"-40) Coupler, External Threads, 0.5" Long	Thorlabs	SM1T2	
SM1 Lens Tube Without External Threads, 2" Long, Two Retaining Rings Included	Thorlabs	SM1M20	
15 V, 2.4 A Power Supply Unit with 3.5 mm Jack Connector for One K- or T-Cube	Thorlabs	KPS101	LED control
T-Cube LED Driver, 1200 mA Max Drive Current	Thorlabs	LEDD1B	
150 mm x 300 mm x 12.7 mm Aluminum Breadboard, M6 Double-Density Taps	Thorlabs	MB1530/M	Mount base
Ø12.7 mm Universal Post Holder, Spring-Loaded Locking Thumbscrew, L = 75 mm	Thorlabs	UPH75/M	Mount, 3x (IR LED, red LED, cam)
Ø1.20" Slip Ring for SM1 Lens Tubes and C-Mount Extension Tubes, M4 Tap	Thorlabs	SM1RC/M	
Ø12.7 mm Optical Post, SS, M4 Setscrew, M6 Tap, L = 150 mm	Thorlabs	TR150/M	
Ø12.7 mm Optical Post, SS, M4 Setscrew, M6 Tap, L = 40 mm	Thorlabs	TR40/M	
Right-Angle Clamp for Ø1/2" Posts, 5 mm Hex	Thorlabs	RA90/M	
M6 x 1.0 Stainless Steel Cap Screw, 16 mm Long, Pack of 25	Thorlabs	SH6MS16	screws for mount onto base
USB-6001 14-Bit 20 kS/s Multifunction I/O and NI-DAQmx	National Instruments	782604-01	Red LED spotlight controller
20k Ohm 1 Gang Linear Panel Mount Potentiometer	TT Electronics/BI	P230-2EC22BR20K	fintuner for indicator
IR (860nm) emitter, 100 mA radial	Osram	475-1365-ND	Red light indicator
cable	-	-	Misc
All-trans retinal	Sigma	R2625	
Ethanol absolute	Vwr	20821.296	
Halocarbon Oil 27	Sigma	H8773	
Mowiol	Merk	81381	
Paraformaldehyde	Sigma	F8775	
Phosphate buffered saline (PBS)	Sigma	P5493	
Sylgard 184 silicone elastomer base	Dow Corning Corp	4019862	
Sylgard 184 silicone elastomer curing agent	Dow Corning Corp	4019862	
Triton X-100	Sigma	T8787	
Chicken anti-GFP antibodies	Rockland	600-901-215	Antibodies
Goat Dylight anti-Chicken	Abcam	ab96947	
FM7a, B	BDSC	RRID:BDSC_785	X chromosome
FRT19A[hs-neo]	BDSC	RRID:BDSC_1709	

hiw[ΔN]	BDSC	RRID:BDSC_51637	
hs-FLP[12]	BDSC	RRID:BDSC_1929	
tub-Gal80[LL1]	BDSC	RRID:BDSC_5132	
w[1118]	BDSC	RRID:BDSC_3605	
20xUAS-IVS-CsChrimson::mVenus	BDSC	RRID:BDSC_55135	2nd chromosome
5xUAS-Gal4[12B]	Kyoto	RRID:Kyoto_108492	
5xUAS-HA::dnmnat	BDSC	RRID:BDSC_39702	
5xUAS-mCD8::GFP[LL5]	BDSC	RRID:BDSC_5134	
ase-FLP[2d]	Freeman laboratory	Neukomm et al., 2014 (PNAS)	
CyO	BDSC	RRID:BDSC_2555	
dpr1-Gal4	BDSC	RRID:BDSC_25083	
OR22a-Gal4	BDSC	RRID:BDSC_9952	
ey-FLP[6]	BDSC	RRID:BDSC_5577	3rd chromosome
GMR60E02-Gal4	BDSC	RRID:BDSC_39250	
TM3,Sb,e	BDSC	RRID:BDSC_3644	