

Materials List for

# Dissection, Immunohistochemistry and Mounting of Larval and Adult *Drosophila* Brains for Optic Lobe Visualization

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jove.com/video/61273

## Materials

Name	Company	Catalog Number	Comments
10x PBS	Bioshop	PBS405	
37% formaldehyde	Bioshop	FOR201	
Alexa Fluor 488 (goat) secondary	Invitrogen	A-11055	use at 1:500
Alexa Fluor 555 (mouse) secondary	Invitrogen	A-31570	use at 1:500
Alexa Fluor 647 (guinea pig) secondary	Invitrogen	A-21450	use at 1:500
Alexa Fluor 647 (rat) secondary	Invitrogen	A-21247	use at 1:500
Cover slips	VWR	48366-067	
Dissecting forceps - #5	Dumont	11251-10	
Dissecting forceps - #55	Dumont	11295-51	
Dissection Dish	Corning	722085	
Dry wipes	Kimbery Clark	34155	
Goat anti-Bgal primary antibody	Biogenesis		use at 1:1000
Guinea pig anti-Bsh primary antibody	Gift from Claude Desplan		use at 1:500
Guinea pig anti-Vsx1 primary antibody	Erclik et al. 2008		use at 1:1000
Laboratory film	Parafilm	PM-996	
Microcentrifuge tubes	Sarstedt	72.706.600	
Microscope slides	VWR	CA4823-180	
Mouse anti-dac primary antibody	Developmental Studies Hybridoma Bank (DSHB)	mabdac2-3	use at 1:20
Mouse anti-eya primary antibody	DSHB	eya10H6	use at 1:20
Mouse anti-nc82 primary antibody	DSHB	nc82	use at 1:50
Mouse anti-svp primary antibody	DSHB	Seven-up 2D3	use at 1:100
Polymer Clay	Any type of clay can be used		
Rabbit anti-GFP	Invitrogen	A-11122	use at 1:1000

Rat anti-DE-Cadherin primary antibody	DSHB	DCAD2	use at 1:20
Slowfade mounting medium	Invitrogen	S36967	Vectashield mounting medium ( cat# H-1000) can also be used
Triton-x-100	Bioshop	TRX506	