

Materials List for:

Dissection and Immunostaining of Imaginal Discs from *Drosophila melanogaster*

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Materials

Name	Company	Catalog Number	Comments
Sylgard 184 Silicone Elastomer Kit	Dow Corning	184 SIL ELAST KIT 0.5 KG	Used to create base for dissection plate
Pryex Glass Petri Dish 150 x 20 mm	Dow Corning	3160-152CO	Use the cover for dissection plate
#5 Dissecting Forceps	Ted Pella	525	Forceps must be kept very sharp
9 well watch glass	Vairous Vendors		Used for fixation of imaginal disc complexes
50 ml Erlenmeyer Flask	Various Vendors		
Small Stir Bar	Various Vendors		Small enough to fit into Erlenmeyer Flask
50 ml Conical Tubes	Various Vendors		
1.5 ml Microfuge Tubes	Various Vendors		Clear or Dark depending upon application
Microfuge Rack	Various Vendors		
Benchtop Rotator	Various Vendors		100 µl volume should not splatter at low setting
Paraformaldehyde	Macron Chemicals	2-26555-1	Serves as fixative
Sodium Phosphate Monobasic	Sigma Chemical Co	S-3139	Used to make dissection and wash buffers
Sodium Phosphate Dibasic	Sigma Chemical Co	71636	Used to make dissection and wash buffers
Lysine	Acros Organics	125221000	Used in the fixative solution
Sodium Periodate	Sigma Chemical Co	S-1878	Used in the fixative solution
Triton X-100	EMD Chemicals	MTX1568-1	Used to perforate imaginal discs
Sodium Hydroxide	EM Science	SX0593-3	Used to dissolve paraformaldehyde
100% Normal Goat Serum	Jackson Laboratories	005-000-121	Serves as a blocking solution
Primary Antibodies	Various Vendors		Dilute in 10% goat serum as directed by manufacturer
Secondary Antibodies	Various Vendors		Dilute in 10% goat serum as directed by manufacturer
Vectashield	Molecular Probes	H-1000	Prevents bleaching of samples
Microscope Slides	Fischer Scientific	48312-003	
Glass Cover Slips 18 x 18 mm	Fischer Scientific	12-542A	
Kimwipe Tissue	Various Vendors		Prevents Glass slides from adhering to silicone base
Panit Brush 000	Various Vendors		Use to gently lower coverslip on to samples