

Materials List for:

Antibody Staining in *C. Elegans* Using "Freeze-Cracking"

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Materials

Name	Company	Catalog Number	Comments
poly-L-lysine slide (ESCO brand)	Fisher	12-545-78	Sigma brand slides also suitable
poly-L-lysine hydrobromide	Sigma	P1524	IMPORTANT: Brand and high molecular weight of polylysine critical
single frosted edge slides	Fisher	48312-002	Other brands are suitable
sodium azide	Sigma	S2002-25G	TOXIC, wear gloves and mask while weighing out powder to make 10% stock. Wear gloves when pipeting stock solution
coplin staining jar	VWR	47751-792	Other brands are suitable
5-slide mailer	Electron Microscopy Science	71549-01	One of many different brands of small slide holder, suitable for staining
Paraformaldehyde	VWR	MK262159	IMPORTANT: Regular formalin solutions (37% formaldehyde) are NOT suitable. Either 1) Dissolve crysatalline paraformaldehyde in phosphate buffer and store in small aliquots frozen. Or 2) buy electron microscopy grade paraformaldehyde in aliquots. TOXIC -wear gloves; dispose of excess down sink with water.
Glutaraldehyde solution, 25% in water	Sigma	G 5882	IMPORTANT: purchase electron microscopy grade glutaraldehyde in ampules; TOXIC -wear gloves; dispose of excess down sink with water.
Triton X-100	VWR	EM-9410	Other brands are suitable
Bovine Serum Albumin	Fisher	ICN820451	Other brands are suitable
Donkey Serum, lyophilized	Jackson Immunoresearch	017-000-121	Other brands are suitable
Cy3 Donkey anti-Mouse IgG multi-labeling	Jackson Immunoresearch	715-165-150	This company is recommended for high quality multi-label (affinity depleted) antibodies. Select appropriate dye and antigen (animal used to raise primary antibody).
n-propyl gallate	Fisher	ICN10274750	Other brands are suitable
DAPI, 4',6'-diamidino-2-phenylindole dihydrochloride	Sigma	D 9542	TOXIC. Wear gloves and dispense into small aliquots and freeze to minimize exposure
Whatman #1 15 cm diameter filters	Fisher	09805G	
Coverslip #1 1/2 rectangle 24 x 60 mm	VWR	48393-252	#1 1/2 thickness is optically best

Microscope slide folder	VWR	48429-092	Other brands are suitable
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