

Materials List for:

Techniques for Imaging Prometaphase and Metaphase of Meiosis I in Fixed *Drosophila* Oocytes

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Materials

Name	Company	Catalog Number	Comments
15 ml conical tubes	Various		
16% formaldehyde	Ted Pella, Inc.	18505	HAZARDOUS; once opened, discard after one month
250 ml beakers	Various		
5 ml tubes	Various		
active dry yeast	Various		mix with water to make a paste the consistency of peanut butter
anti- α -tubulin antibody conjugated to FITC	Sigma	F2168	clone DM1A
Binucleine 2	Sigma	B1186	HAZARDOUS
blender	Various		
bovine serum albumin	Sigma	A4161	
calcium chloride	Various		
colchicine	Sigma	C-9754	HAZARDOUS
coverslips	VWR	48366-227	No. 1 1/2
dextran sulfate	Various		
DMSO	Various		
EGTA	Various		
ethanol	Various		
forceps	Ted Pella, Inc.	5622	Dumont tweezers high precision grade style 5
formamide	Sigma	47670-250ML-F	
glass slides	VWR	48312-003	
glucose	Various		
graduated 1.5 ml tubes	Various		
HEPES	VWR	EM-5330	available from several vendors
Hoechst 33342	Various		
magnesium chloride	Various		
methanol	Various		
large mesh (~1,500 μ m)	VWR	AA43657-NK	variety of formats and other suppliers, 12 or 14 mesh
small mesh (~300 μ m)	Spectrum labs	146 424	variety of formats, e.g., 146 422 or 146 486
nutator	Various		
Pasteur pipets	Various		

potassium acetate	Various		
Cacodylic acid	Sigma	C0125	HAZARDOUS; alternatively, sodium cacodylate may be substituted
potassium hydroxide	Various		
sodium acetate	Various		
sodium chloride	Various		
sodium citrate	Various		
sodium hydroxide	Various		
sucrose	Various		
taxol (paclitaxel)	Sigma	T1912	HAZARDOUS
Triton X-100	Fisher	PI-28314	
Tween 20	Fisher	PI-28320	
vortex	Various		