

Materials List for:

Cytological Analysis of Spermatogenesis: Live and Fixed Preparations of *Drosophila* Testes

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Materials

Name	Company	Catalog Number	Comments
Sylgard	World Precision Instruments	SYLG184	Two-part silicon elastomer for making silicone-coated dissection dish from Kimax Petri dish
PAP pen	Fisher Scientific	NC9888126	Ted Pella #22309
Clear nail protector	Wet n Wild	7780235001	
ProLong Gold Antifade Reagent with DAPI	Life Technologies	P36931	
Mouse anti-gamma-tubulin antibody (clone GTU-88)	Sigma-Aldrich	T6557	
Cy3-AffiniPure Goat Anti-Mouse IgG	Jackson ImmunoResearch	115-165-003	
Triton X-100	Fisher Scientific	BP151-100	
Ethanol	Fisher Scientific	AC61511-0040	
Methanol	Fisher Scientific	A412-4	
16% Formaldehyde	Thermo Fisher Scientific	28908	
Sigmacote	Sigma-Aldrich	SL2	Use according to manufacturer's directions to siliconize cover slips
DAPI	Sigma-Aldrich	D-9542	0.5 mg/ml in 75% ethanol; store at -20 °C
NaCl	Research Products International Corp.	S23020	
Na ₂ HPO ₄	Sigma-Aldrich	S9763	
NaH ₂ PO ₄	Sigma-Aldrich	S0751	
Kimwipes delicate task wipers	Fisher Scientific	S47299	
BSA	Research Products International Corp.	A30075	Molecular biology grade
Glass Coplin staining jar, screw cap	Electron Microscopy Sciences	70315	
Single frosted microscope slides	Corning	2948-75X25	
Poly-L-lysine coated microscope slides	Polysciences, Inc.	22247-1	Optional (to replace untreated microscope slides)
Square cover glass	Corning	2865-22	
Razor blades	Fisher Scientific	12-640	
Kimax Petri dish	Fisher Scientific	S31473	Kimble #23060 10015 EMD
Forceps	Dumont	52100-51S	Pattern 5 INOX
Stemi 2000-CS stereoscope	Carl Zeiss		
Eclipse 80i	Nikon		

Plan-Fluor 40X objective	Nikon		
Axiophot	Carl Zeiss		
Plan-Neofluar Ph2 40X objective	Carl Zeiss		