

Materials List for:

Fluorescent *in situ* Hybridization on Mitotic Chromosomes of Mosquitoes

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Materials

Name	Company	Catalog Number	Comments
MZ6 Leica stereomicroscope	Leica	VA-OM-E194-354	A different stereomicroscope can be used
Olympus CX41 phase microscope	Olympus	CX41	A different phase microscope can be used
Olympus BX61 fluorescent microscope	Olympus	BX61	A different fluorescent microscope can be used
ThermoBrite Slide Denaturation/ Hybridization System	Abbott Molecular	30-144110	Serves as a heating block and a humid chamber
Dissecting needles	Fine ScienceTools	10130-10	
Needle holders	Fine Science Tools	26018-17	
Dissecting scissors	Fine Science Tools	15000-03	
75x25 double frosted micro slides	Corning	2949-75x25	
22x22 mm microscope coverslips	Fisher Scientific	12-544-10	
Parafilm	Fisher Scientific	13-374-10	
Rubber Cement	Fisher Scientific	50-949-105	
Acetic acid	Fisher Scientific	A491-212	
Alcohol 200 Proof	Decon Laboratories	2701	
Propionic acid	Sigma-Aldrich	402907	
Hydrochloric acid	Fisher Scientific	A144-500	
Sodium citrate dihydrate	Fisher Scientific	S279-500	
Sodium acetate trihydrate	Fisher Scientific	BP334-500	
Potassium chloride	Fisher Scientific	BP366-500	
EDTA	Fisher Scientific	S311-500	
Tris base	Fisher Scientific	BP152-1	
10x PBS	Invitrogen	P5493	
10% NBF (neutral buffered formalin)	Sigma-Aldrich	HT501128	
99% formamide	Fisher Scientific	BP227500	
Dextran sulfate sodium salt	Sigma-Aldrich	D8906	
20x SSC buffer	Invitrogen	AM9765	
1 mM YOYO-1 iodide (491/509) solution	Invitrogen	Y3601	
Antifade Prolong Gold reagent	Invitrogen	P36930	
dATP, dCTP, dGTP, dTTP	Fermentas	R0141, R0151, R0161, R0171	
Cy3-dUTP, Cy5-dUTP	GE Healthcare	PA53022, PA55022	
BSA	Sigma-Aldrich	A3294	
DNA Polymerase I	Fermentas	EP0041	

DNase I	Fermentas	EN0521	
S1 Nuclease	Fermentas	EN0321	
Taq DNA Polymerase	Invitrogen	18038-042	
RNase	Sigma-Aldrich	9001-99-4	
Pepsin	USB	9001-75-6	
Salmon sperm DNA	Sigma-Aldrich	D7656	
Nonidet-P40 (NP40)	US Biological	NC9375914	
Qiagen Blood and Cell Culture Maxikit	Qiagen	13362	
Qiagen Large Construct Kit	Qiagen	12462	