

Materials List for:

# Hybridization *in situ* of Salivary Glands, Ovaries, and Embryos of Vector Mosquitoes

Jennifer Juhn<sup>1</sup>, Anthony A. James<sup>1,2</sup>

<sup>1</sup>Department of Molecular Biology and Biochemistry, University of California, Irvine

<sup>2</sup>Department of Microbiology and Molecular Genetics, University of California, Irvine

Correspondence to: Jennifer Juhn at [jjuhn@uci.edu](mailto:jjuhn@uci.edu)

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## Materials

Name	Company	Catalog Number	Comments
0.5 M EDTA	Ambion	AM9261	
1M Tris-HCl	Ambion	AM9855G	pH8.0
10X PBS	Ambion	AM9625	
20X SSC	Ambion	AM9763	
1.5 ml microfuge tubes	Ambion	AM12400	Less opaque than standard tubes; aids in visualizing samples
Deionized formamide	Ambion	AM9342	Storage at 4 °C
DEPC water	Ambion	AM9932	
Proteinase K	Ambion	AM2546	
5.25% Sodium hypochlorite	Austin's		A-1 Brand
T3 RNA Polymerase-Plus	Ambion	AM2733	Storage at -20 °C
T7 RNA Polymerase	Ambion	AM2082	Storage at -20 °C
95% Ethanol	Fisher Scientific	AC61511-0040	
Fisherbrand disposable polyethylene transfer pipettes	Fisher Scientific	13-711-7M	
37% Formaldehyde	Fisher Scientific	F79-500	
HPLC-grade methanol	Fisher Scientific	A452-1	
Magnesium chloride	Fisher Scientific	M87-500	
Microscope cover glass	Fisher Scientific	12-542A	18 x18 mm
N-Heptane	Fisher Scientific	H350-1	
P-xylene	Fisher Scientific	O5082-500	
Pyrex 9-well Spot Plate	Fisher Scientific	13-748B	100x85 mm
Sodium chloride	Fisher Scientific	AC32730-0025	
Sodium hydroxide	Fisher Scientific	SS255-1	
Superfrost/Plus microscope slides	Fisher Scientific	12-550-15	25x75x1.0 mm
Davlyn Red Clear-liner Toupee tape	Hair Direct	RED-75R12	Poly/Skin base material 0.75 in x 12 yd tape roll
TOPOTA Cloning Kit for Sequencing with One Shot Top10 chemically-competent <i>E. coli</i>	Invitrogen	K457501 K457540	20 reactions 40 reactions
Sonicated salmon sperm DNA	Invitrogen	15632-011	Storage at -20 °C
Anti-digoxigenin-AP Fab fragments	Roche Applied Science	1093274	Storage at 4 °C
DIG RNA labeling mix	Roche Applied Science	1277073	Storage at -20 °C
NBT/BCIP stock solution	Roche Applied Science	1681451	Storage at 4 °C
Western Blocking Reagent	Roche Applied Science	11921673001	Storage at 4 °C

Saatilene Hitech polyester mesh (330.130)	Saati Print	330.34 UO PW	330 threads/inch, 34 micron thread diameter, orange color
Glycerol	Sigma	G6279-1	70% in PBT
Heparin sodium salt	Sigma	H3393	
Tween 20	Sigma	P1379-500	
37% Formaldehyde	Ted Pella	18508	10 ml aliquots in amber ampoules
16 oz. Solo Paper containers with lids	The Paper Company	SOLOKH16AJ8000	
Borosilicate glass scintillation vial with unattached screw cap	VWR International	66022-128	20 ml case of 500
Sealed Air Bubble wrap cellular cushioning material	VWR International	500018-081	10 foot/roll 0.188 inches thick
Chicken serum			Whole blood was collected either from the wing vein or by cardiac puncture from a juvenile chicken. Blood was incubated at 37 °C for 1 h until coagulated and then placed on ice for 30 min. The serum was collected and centrifuged at 3000 x g for 10 min. The resulting supernatant (clarified serum) was collected and stored at -20 °C until use.

**Table 4.** Table of specific reagents and equipment for hybridization *in situ*.