

Materials List for:

# Combining Lipophilic dye, *in situ* Hybridization, Immunohistochemistry, and Histology

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## Materials

Name	Company	Catalog Number	Comments
<i>in situ</i> Hybridization:			
PC DIG wash + block buffer set	Roche Group	1585762	
Premix 20x SSC Buffer	Roche Group	1666681	
Proteinase K 20mg/ml	Ambion	AM2546	
Diethyl Pyrocarbonate (DEPC)	Research Products International Corp.	D43060	
Formamide	Sigma-Aldrich	F9037	
Dextran Sulfate	Research Products International Corp.	D20020	
BM Purple	Roche Group	11442074001	
Anti-Dig-AP Fab fragments	Roche Group	11093274910	
RNase A enzyme 10mg/ml	Fermentas	EN0531	
RNase Away	Research Products International Corp.	7003	
Salmon Sperm DNA 10mg/ml	Invitrogen	15632-011	
Stericup Filter Unit 0.22µm; 500ml	EMD Millipore	SCGVU05RE	
Filter Discs 0.2µm; 25mm	Whatman, GE Healthcare	6780-2502	
Phosphate buffered saline PH 7.4 packets	Sigma-Aldrich	P-5368	
<i>Immunohistochemistry:</i>			
Goat Serum	Sigma-Aldrich	G9023	
Triton X-100	Sigma-Aldrich	T8532	
H-chst Dye	Polysciences, Inc.	9460	
<i>Histology:</i>			
Poly/Bed 812 Embedding Media/ DMP-30 Kit	Polysciences, Inc.	08792-1	
Propylene oxide	Sigma-Aldrich	110205	
Gluteraldehyde Solution 50%	Fisher Scientific	G151	
DPX Mountant	Fluka	44581	
Rocker	MidSci	55D1114	
Heat Block	Fisher Scientific	11-715-125D	
Rotator	Thermo Fisher Scientific, Inc.	400110Q	
Incubator set to 60°	Fisher Scientific	11-690-625D	
<i>Dye tracing:</i>			
Microscissors	Geuder	G-19775	

Fine Forceps	E.M.S	72680-F	
NeuroVue dye: Maroon, Red, Jade	MTTI	FS-100(1,2,6)	
1X phosphate buffered saline (PBS)	Sigma-Aldrich	P-5368	
Dissecting scope	Leica Microsystems	M205 FA	
Incubator set to 36°	Fisher Scientific	11-690-506DQ	
Confocal Microscope	Leica Microsystems	LSM 510	
Slides	Surgipath	00240	
Coverslips	Surgipath	00106	
RPI	Glycerol	G22025-0.5	
Paraformaldehyde (4% and 0.4%)	Fisher Scientific	T353-500	