

Materials List for:

RNA *In situ* Hybridization in Whole Mount Embryos and Cell Histology Adapted for Marine Elasmobranchs

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Materials

Name	Company	Catalog Number	Comments
10 x transcription buffer	Roche	11-465-384-001	
DIG-RNA labeling mix	Roche	11-277-073-910	
RNAse inhibitor	Roche	03-335-399-001	
RNA polymerase - SP6	Roche	10-810-274-001	
DNAseI, RNAse-free	Roche	10-776-785-001	
Yeast RNA	Invitrogen	15401-029	
CHAPS	EMD-Millipore	220201	
heparin	Sigma-Aldrich	H4784	
DEPC (diethyl pyrocarbonate)	Research Organics	2106D	
Moria Perforated Spoon	Fine Science Tools	10370-17	
Netwell inserts	Electron Microscopy Sciences	64713-00	Netwells for use in 6-well tissue culture dishes
6-well tissue culture plate	Corning	3516	
Glass scintillation vials with screw-cap lids	Weaton Science Products	986540	
formamide	Fisher	BP227500	
Proteinase K	Invitrogen	59895 (AM2542)	
NBT		11585029001	
BCIP	Roche	11585002001	
Hydrogen peroxide, 30%	EMD	HX0635-1	
Sheep serum	VWR	101301-478	
glutaraldehyde	Sigma-Aldrich	G5882	
tRNA	Roche	10-109-541-001	
Anti-DIG Fab Fragments	Roche	1137-6623	

Table 3. Reagents and equipment for RNA whole mount *in situ*'s.

1% Alcian Blue 8GS, pH 2.5	Electron Microscopy Sciences	26323-01	
Nuclear Fast Red	Electron Microscopy Sciences	26078-05	
DPX Mountant	Electron Microscopy Sciences	13510	
Paraffin (Paraplast X-tra)	McCormick Scientific	39503002	
10% Formalin, NBF	VWR	95042-908	
Glass scintillation vials with screw-cap lids	Weaton Science Products	986540	
Stainless steel base molds	Tissue-Tek	4161-4165	Multiple sizes available.
Cassettes	Tissue-Tek	4170	
Slide warmer	Fisher-Scientific	12-594Q	

Tissue Embedder	Leica Microsystems	EG1160	
Microtome, rotary	Leica Microsystems	RM2235	
Tissue-Tek Slide Staining Set	Electron Microscopy Sciences	62540-01	
Tissue-Tek 24-Slide Holder	Electron Microscopy Sciences	62543-06	
Superfrost*Plus slides	Fisherbrand	12-550-17	

Table 4. Reagents and equipment for Alcian Blue stain.