

Materials List for:

Double Whole Mount in situ Hybridization of Early Chick Embryos

Delphine Psychoyos¹, Richard Finnell²

¹Center for Environmental and Genetic Medicine, Institute of Biosciences and Technology - Texas A&M Health Science Center

²Center for Environmental and Genetic Medicine, Texas A&M University (TAMU)

Correspondence to: Delphine Psychoyos at dpsychoyos@ibt.tamhsc.edu

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Materials

Name	Type	Company	Catalog Number	Comments
Eggs	Animal	Charles River Laboratories	Premium Fertile	
Stereomicroscope	Microscope	Leica Microsystems	MZ9.5	
Marsh Automatic Incubator	Tool	Lyon	RX	
Hybridization Incubator	Tool	Hybaid	Micro-4	
Adams Nutator orbital mixer	Tool	Fisher Scientific	14-062	
Curved Forceps (1)	Tool	Electron Microscopy Sciences	72991-4C	
Fine scissors	Tool	Fine Science Tools	14161-10	
Spoon	Tool	Fine Science Tools	10370-18	
Pasteur Capillary Pipette		Electron Microscopy Sciences	70950-12	
Microcapillary tube		Sigma-Aldrich	P1049-1PAK	Pull using vertical micropipette puller; blunt end with fine forceps
Microdissecting knife		Fine Science Tools	10056-12	Use to puncture cavities prior to in situ hybridization
Minuten pins 0.2mm diam		Fine Science Tools	26002-20	Keep pins together using a magnetic stirrer;
Sylgard 184 Silicon Elastomer Curing Agent and Base	Reagent	Dow Corning	0001986475	Mix 1 part Curing Agent, 9 parts Base; set O/N at 37C
Diethylpyrocarbonate (depc)	Reagent	Acros Organics	10025025	Add 1ml depc to 1l PBS; shake; autoclave
16% PFA	Reagent	Electron Microscopy Sciences	15710	
Tween-20	Reagent	Sigma-Aldrich	P1379-100ML	
Proteinase K		Sigma-Aldrich	P2308-5MG	Stock at 10 mg/ml in depc-H2O in 10ul aliquots. Store at -20C.
Formamide, deionized	Reagent	Ambion	9342	
Yeast tRNA-25 mg	Reagent	Invitrogen	15401-011	Stock at 20 mg/ml in depc-H2O in 125ul aliquots. Store at -20C
Heparin Sodium salt	Reagent	Sigma-Aldrich	H4784-250MG	Stock at 50 mg/ml in depc-H2O in 100ul aliquots. Store at -20C.
SSC x20 pH5.5	Reagent	Fisher Scientific	PR-V4261	
EDTA (0.5M)	PR-V4231	Fisher Scientific		
SDS	Reagent	Fisher Scientific	BP166-100	
Maleic acid	Reagent	Fluka	63189	

B-hringer Blocking Reagent	Reagent	Roche Group	11096176001	Use at 2% in MABT. To make, heat with MABT for 20 mn at 60C. Can make a stock and store in 1-5 ml aliquots at 20C.
Heat inactivated sheep serum	Reagent	Jackson ImmunoResearch	013-000-121	Dissolve in 10 ml H2O; heat 550C, 30 mn. Aliquot at 1ml, -20C.
Anti-Digoxigenin-AP, Fab fragments	Reagent	Roche Group	11093274910	
NBT/BCIP stock solution	Reagent	Roche Group	11681451001	
Anti-Fluorescein-AP, Fab fragments	Reagent	Roche Group	11426338910	
2M Tris	BP1759-500	Fisher Scientific		
Vector Red Alkaline Phosphatase Substrate Kit	Reagent	Vector Laboratories	SK-5100	
1,2,3,4-tetrahydronaphthalene	Reagent	Sigma-Aldrich	429325-100ML	Under hood