

Materials List for:

Method for Whole Mount Antibody Staining in Chick

Delphine Psychoyos¹, Richard Finnell¹

¹Institute of Biosciences and Technology, Center for Environmental and Genetic Medicine, Texas A&M University (TAMU)

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

URL: <https://www.jove.com/video/956>

DOI: [doi:10.3791/956](https://doi.org/10.3791/956)

Materials

Name	Type	Company	Catalog Number	Comments
Eggs		Charles River Laboratories	Premium Fertile	Fertilized, HH4 (16 hr)
Stereomicroscope	Microscope	Leica Microsystems	MZ9.5 or similar	
Marsh Automatic Incubator	Other	Lyon	RX	
Curved Forceps (1)	Tool	Electron Microscopy Sciences	72991-4C	
Forceps (2)	Tool	Fine Science Tools	11002-13	
Fine scissors	Tool	Fine Science Tools	14161-10	
Plastic dishes	Tool	Falcon BD	353001	
Rubber Bulb	Tool	Electron Microscopy Sciences	70980	
Pasteur Capillary Pipette	Tool	Electron Microscopy Sciences	70950-12	round edge under flame
Microdissecting knife	Tool	Fine Science Tools	10056-12	Use to cut embryo from surrounding membranes following fixation
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
16% PFA	Reagent	Electron Microscopy Sciences	15710	
30% H ₂ O ₂	Reagent	Sigma-Aldrich	H1009	
BSA	Reagent	Sigma-Aldrich	A3803	
NGS	Reagent	Jackson ImmunoResearch	005-000-121	
Primary Antibodies	Reagent	Developmental Studies Hybridoma Bank	4G11, 15.3B9, PAX7	For these antibodies, investigators used mouse donors
Peroxidase conjugated-Goat Anti-Mouse IgG (H+L)	Reagent	Jackson ImmunoResearch	115-035-003	
3,3'-diaminobenzidine tetrahydrochloride	Reagent	Pierce, Thermo Scientific	34001	Store at -20; Allow bottle to warm to RT before use.
Cedar wood oil	Reagent	Sigma-Aldrich	W522503	
Fast green FCF	Reagent	Sigma-Aldrich	F7252	
Minuten pins 0.2mm diam		Fine Science Tools	26002-20	