

Materials List for:

Method for culture of early chick embryos in vitro (New culture)

Delphine Psychoyos, Richard Finnell

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

URL: <http://www.jove.com/video/777>

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Materials

Name	Type	Company	Catalog Number	Comments
Stereomicroscope	Microscope	Leica Microsystems	MZ9.5 or similar	
Marsh Automatic Incubator	Equipment	Lyon	RX	set at 38C
Hybridization Incubator	Equipment	Robbins Scientific, SciGene	M1000	Use with inverted Pyrex dish and beaker containing 500 ml ddH ₂ O . Set at 38C
Pyrex dish (2)	Tool			found in Bakeware aisle of supermarket
Watchmaker's glass 50mm	Tool	VWR international	66112-060	
Curved Forceps (1)	Tool	Electron Microscopy Sciences	72991-4C	
Fine Forceps (2)	Tool	Fine Science Tools	11002-13	blunt ended using sharpening stone and 100ul mineral oil
Sharpening Stone Dan's Black Arkansas	Tool	Electron Microscopy Sciences	62082-00	
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
Plastic Jumbo Bulb Pipette	Tool	Electron Microscopy Sciences	70960	
Culture chamber	Tool	Pioneer Plastics	030C	
Microcapillary tube	Tool	Sigma-Aldrich	P1049-1PAK	Pull using vertical micropipette puller; blunt end with fine forceps
Microdissecting knife	Tool	Fine Science Tools	10056-12	Use to puncture cavities prior to in situ hybridization
Minuten pins 0.2mm diam	Tool	Fine Science Tools	26002-20	Use magnetic stirrer to conserve pins; Use protective eyewear and

				blunt ended forceps (not fine) to pick
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% Paraformaldehyde	Reagent	Electron Microscopy Sciences	15710	Use within 1 week at 4%
Eggs	Animal	Charles River Laboratories	Premium Fertile	Fertilized, HH4 (16 hr at 38C)
Glass Rings	Tool	Physical Plant Facility		cut 4 mm thick sections of glass tubing (27 mm outer diam, 25 mm inner diam). Do not fine polish.