

Materials List for

Refined CLARITY-Based Tissue Clearing for Three-Dimensional Fibroblast Organization in Healthy and Injured Mouse Hearts

Demetria M. Fischesser^{1,2}, Evan C. Meyer³, Michelle Sargent², Jeffery D. Molkentin²

¹Department of Molecular Genetics, Biochemistry, and Microbiology, University of Cincinnati College of Medicine ²Division of Molecular Cardiovascular Biology, Cincinnati Children's Hospital Medical Center ³Confocal Imaging Core, Cincinnati Children's Hospital Medical Center

Corresponding Author

Jeffery D. Molkentin

jeff.molkentin@cchmc.org

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jove.com/video/62023

Materials

Name	Company	Catalog Number	Comments
4-0 braided silk	Ethicon	K871H	
8-0 prolene	Ethicon	8730H	
40% Acrylamide Solution	Bio-Rad	1610140	
Angiotensin II	Sigma	A9525-50G	
Artificial Tear Ointment	Covetrus	048272	
DABCO (1,4-diazabicyclo[2.2.2]octane)	Millipore Sigma	D27802-25G	
GLUture topical tissue adhesive	World Precision Instruments	503763	
Heparin	Sigma	H0777	
Imaris Start Analysis Software	Oxford Instruments	N/A	
Micro-osmotic pumps	Alzet	Model 1002	
Nikon Elements Analysis Software	Nikon	N/A	
Nikon A1R HD upright microscope	Nikon	N/A	
Normal autoclaved chow	Labdiet	5010	
Nycodenz, 5- (N-2, 3-dihydroxypropylacetamido)-2, 4, 6-tri-iodo-N, N'-bis (2, 3 dihydroxypropyl) isophthalamide	CosmoBio	AXS-1002424	
Paraformaldehyde	Electron Microscopy Sciences	15710	
Phenylephrine Hydrochloride	Sigma	P6126-10G	
Photoinitiator	Wako Chemicals	VA-044	
Rosa26-nLacZ [FVB.Cg-Gt(ROSA)26Sortm1 (CAG-lacZ,-EGFP)Gh/J]	Jackson Laboratories	Jax Stock No:012429	
Sodium Azide	Sigma Aldrich	S2002-5G	
Sodium Chloride solution	Hospira, Inc.	NDC 0409-4888-10	

Tamoxifen	Sigma Aldrich	T5648	
Tamoxifen food	Envigo	TD.130860	
Tween-20	Thermo Fisher Scientific	BP337-500	
Quadrol, N,N,N',N'-Tetrakis(2-Hydroxypropyl)ethylenediamine, decolorizing agent	Millipore Sigma	122262-1L	
X-Clarity electrophoretic clearing chamber	Logos Biosystems	C30001	
X-Clarity electrophoretic clearing solution	Logos Biosystems	C13001	
X-Clarity electrophoresis tissue basket	Logos Biosystems	C12001	
X-Clarity electrophoresis tissue basket holder	Logos Biosystems	C12002	