

Materials List for

Isolation and Culture of Resident Cardiac Macrophages from the Murine Sinoatrial and Atrioventricular Node

Ruibing Xia^{1,2,3}, Simone Loy¹, Stefan Kääh^{1,3}, Anna Titova¹, Christian Schulz^{1,2,3}, Steffen Massberg^{1,2,3}, Sebastian Claus^{1,2,3}

¹University Hospital Munich, Department of Medicine I, Ludwig-Maximilian-University Munich (LMU) ²Institute of Surgical Research at the Walter Brendel Center of Experimental Medicine, University Hospital Munich, Ludwig-Maximilians-University (LMU) ³German Center for Cardiovascular Research (DZHK), Partner Site Munich, Munich Heart Alliance (MHA)

Corresponding Author

Ruibing Xia
ruibing.xia@med.uni-muenchen.de

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jove.com/video/62236

Materials

Name	Company	Catalog Number	Comments
Anesthesia			
Isoflurane vaporizer system	Hugo Sachs Elektronik	34-0458, 34-1030, 73-4911, 34-0415, 73-4910	Includes an induction chamber, a gas evacuation unit and charcoal filters
Modified Bain circuit	Hugo Sachs Elektronik	73-4860	Includes an anesthesia mask for mice
Surgical Platform	Kent scientific	SURGI-M	
In vivo instrumentation			
Fine forceps	Fine Science Tools	11295-51	
Iris scissors	Fine Science Tools	14084-08	
Spring scissors	Fine Science Tools	91500-09	
Tissue forceps	Fine Science Tools	11051-10	
Tissue pins	Fine Science Tools	26007-01	Could use 27G needles as a substitute
General lab instruments			
Orbital shaker	Sunlab	D-8040	
Pipette, volume 10ul, 100ul, 1000ul	Eppendorf	Z683884-1EA	
Magnetic stirrer	IKA	RH basic	
Microscopes			
Dissection stereo- zoom microscope	vwr	10836-004	
Leica microscope	Leica microsystems	Leica DM6	
Flow cytometry machine			
Beckman Coulter	Beckman coulter	MoFlo Astrios	
Software			
FlowJo v10	FlowJo		
General Lab Material			
0.2 µm syringe filter	sartorius	17597	
100 mm petri dish	Falcon	351029	

27G needle	BD Microlance 3	300635	
50 ml Polypropylene conical Tube	FALCON	352070	
Cover slips	Thermo scientific	7632160	
Eppendorf Tubes	Eppendorf	30121872	
5ml Syringe	Braun	4606108V	
Chemicals			
0.5 M EDTA	Sigma	20-158	
Acetic acid	Merck	100063	Component of TEA
Agarose	Biozym	850070	
Bovine Serum Albumin	Sigma	A2153-100G	
Collagenase I	Worthington Biochemical	LS004196	
Collagenase XI	Sigma	C7657	
DNase I	Sigma	D4527	
Hyaluronidase	Sigma	H3506	
HEPES buffer	Sigma	H4034	
Bovine Serum Albumin	Sigma	A2153-100G	
DPBS (1X) Dulbecco's Phosphate Buffered Saline	Gibco	14190-094	
Fetal bovine serum	Sigma	F2442-500ml	
Penicillin – Streptomycin	Sigma	P4083	
DMEM	Gibco	41966029	
Drugs			
Fentanyl 0.5 mg/10 ml	Braun Melsungen		
Isoflurane 1 ml/ml	Cp-pharma	31303	
Oxygen 5L	Linde	2020175	Includes a pressure regulator
Antibodies			
Anti-mouse Ly6C FITC (clone HK1.4)	BioLegend	Cat# 128006	diluted to 1:100
Anti-mouse F4/80 PE/Cy7(clone BM8)	BioLegend	Cat# 123114	diluted to 1:100
Anti-mouse CD64 APC (clone X54-5/7.1)	BioLegend	Cat# 139306	diluted to 1:100
Anti-mouse CD11b APC/Cy7(clone M1/70)	BioLegend	Cat# 101226	diluted to 1:100
Anti-mouse CD45 PE (clone 30-F11)	BioLegend	Cat# 103106	diluted to 1:100
Hoechst 33342, Trihydrochloride, Trihydrate (DAPI)	Invitrogen	H3570	diluted to 1:1000
Animals			
Mouse, C57BL/6	Charles River Laboratories		