

Materials List for:

Optical Mapping of Langendorff-perfused Rat Hearts

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Materials

Name	Type	Company	Catalog Number	Comments
CardioCMOS-SM128f	Equipment	RedShirtImaging, LLC		
CardioPlex Software	Equipment	RedShirtImaging, LLC		
LUXEON LED Light Source 460-490 nm	Equipment	Lumileds Lighting, US, LLC, San Jose, CA 95131 USA	LXHL-PB02	
ECG Amplifier Type 689 Hugo Sachs Elektronik	Equipment	Harvard Apparatus	730149	
Dichroic Mirror 505 nm	Equipment	Semrock	FF505-SDi01-25x36	
Emission Filter 605 nm Long Pass	Equipment	SciMedia		
THT Sideways	Equipment	SciMedia	25 BM-8	
Mini Ball Joint Holder	Equipment	Harvard Apparatus	BS4 73-0177	
Small Stimulation Electrode Set	Equipment	Harvard Apparatus	BS4 73-0160	
BM-6 Benchtop Vibration Isolation Platform	Equipment	Technology Inc., Inglewood, CA 90301	25 BM-6	
Monopolar ECG Electrode	Equipment	Harvard Apparatus	BS4 73-0200	
Roller Pump SCI 400	Equipment	Watson-Marlow Pumps Group	401U/D1	
Roller Pump MasterFlex Easy Load II	Equipment	Cole-Parmer	Model 77201-60	
Tubing Marprene #14	Equipment	Watson-Marlow Pumps Group	902.0016.016	
MasterFlex Tubing	Equipment	PharMed, Westlake, OH 44145 USA	06485-25	
S48 Square Pulse Stimulator	Equipment	Grass Technologies	Model S48	
SIU5 RF TRANSFORMER ISOLATION UNIT	Equipment	Grass Technologies	Model SIU5	
5 Liter Water Jacketed Reservoir	Equipment	Radnoti Glass Technology Inc.	120142-5	
2 Liter Water Jacketed Reservoir	Equipment	Radnoti Glass Technology Inc.	120142-2	
0.5 Liter Water Jacketed Reservoir	Equipment	Radnoti Glass Technology Inc.	120142-0	
0.25 Liter Water Jacketed Reservoir	Equipment	Radnoti Glass Technology Inc.	120142-025	
10 ml Heating Coil	Equipment	Radnoti Glass Technology Inc.	158822	
Compliance Bubble Trap	Equipment	Radnoti Glass Technology Inc.	130149	
Luer Disconnect Cannula	Equipment	Harvard Apparatus	72-1444	

3-Way stopcock, FLL to MLT, No Port Covers	Equipment	Harvard Apparatus	BS4 72-2630	
Thermocouple Thermometer	Equipment	Cole-Parmer	WU-91100-40	
Ultra Fine IT-Series Flexible Microprobe	Equipment	PhysiTemp Instruments Inc., Clifton, NJ 07013 USA	IT-24P	
Oscilloscope Tektronix TDS 1002	Equipment	Tektronix, Inc.	TDS 1002B	
2,3-Butanedione monoxime	Reagent	Sigma-Aldrich	B0753	
Ketamine HCl	Reagent	Hospira Inc.	RL-0065	
Xylazine	Reagent	Lloyd, Inc.	LB15705A	
E-TOXA-CLEAN®	Reagent	Sigma-Aldrich	E9029	
Di-8-ANEPPS	Reagent	Invitrogen	D-3167	