

Materials List for

Mesoscopic Optical Imaging of Whole Mouse Heart

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Materials

Name	Company	Catalog Number	Comments
2-2' Thiodiethanol	Sigma-Aldrich	166782	
Acrylamide	Bio-Rad	61-0140	
AV-044 Initiator	Wako Chemicals	AVP5874	
Bis-Acrylamide	Bio-Rad	161-042	
Boric Acid	Sigma-Aldrich	B7901	
Camera	Hamamatsu	Orca flash 4.0 v3	
Camera software	Hamamatsu	HC Image	
Collimating lens	Thorlabs	AC254-050-A-ML	
Detection arm	Integrated optics	0638L-15A-NI-PT-NF	
Excitation lens	Nikon	91863	
Exterainal quartz cuvette	Portmann Instruments	UQ-753	
Fold mirrors	Thorlabs	BBE1-E02	
Galvanometric mirror	Thorlabs	GVS211/M	
Glucose	Sigma-Aldrich	G8270	
HCIImage Live	Hamamatsu	4.6.1.19	
HEPES	Sigma-Aldrich	H3375	
Internal quartz cuvette	Portmann Instruments	UQ-204	
KCl	Sigma-Aldrich	P4504	
Laser source	Integrated Optics	0638L-15A-NI-PT-NF	
Long-pass filter	Thorlabs	FELH0650	
Magnetic base	Thorlabs	KB25/M	
MgCl ₂	Chem-Lab	CI-1316-0250	
Motorized traslator	Physisk Instrument	M-122.2DD	
NaCl	Sigma-Aldrich	59888	
Objective	Thorlabs	TL2X-SAP	
Paraformaldehyde	Agar Scientific	R1018	

Phosphate Buffer Solution	Sigma-Aldrich	P4417	
Polycap AS	Whatman	2606T	
Relay lens	Qioptiq	G063200000	
Sodium Dodecyl Sulfate	Sigma-Aldrich	L3771	
Tube lens	Thorlabs	ACT508-200-A-ML	
Tunable lens	Optotune	EL-16-40-TC-VIS-5D-1-C	
Vacuum pump	KNF Neuberger Inc	N86KT.18	
Water bath	Memmert	WTB	