

Materials List for:

Echocardiographic and Histological Examination of Cardiac Morphology in the Mouse

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Materials

Name	Company	Catalog Number	Comments
Wheat germ agglutinin (WGA) conjugated tetramethylrhodamine	Life Technologies, Molecular Probes	W849	
Biotinylated Goat Anti-Rabbit IgG Antibody	Vectorlabs	BA-1000	
Avidin/Biotin Blocking Kit	Vectorlabs	SP-2001	
VECTASTAIN Elite ABC HRP Kit (Peroxidase, Standard)	Vectorlabs	PK-6100	
VECTASHIELD Antifade Mounting Medium with DAPI	Vectorlabs	H-1200	
SIGMAFAST 3,3'-Diaminobenzidine tablets	Sigma	D4168	
Hydrogen peroxide solution	Sigma	H1009	
Anti-Pecam-1 (CD31) antibody	Abcam	ab28364	
Ultrasound transmission gel, Gel Aquasonic 100	Parker		
Linear ultrasound probe, L15-7io	Philips Healthcare		
Echocardiograph, IE33 xMATRIX	Philips Healthcare		
Microscope, Leica DMI8	Leica		
Fluorescence Filterset DAPI	Leica	11525304	
Filterset TxR	Leica	11525310	
Digital Camera, SPOT RT3 Color Slider	Spot Imaging		
Imaging Software, SPOT 5.2 Advanced and Basic Software	Spot Imaging		
Imaging Computer	Dell		
Fine Scissors	Fine Science Tools	14028-10	
Large Scissors	Fine Science Tools	14501-14	
Scalpel blades	Fine Science Tools	10023-00	
Graefe Forceps	Fine Science Tools	11650-10	
Rodent shaver	Harvard Apparatus	34-0243	
cassettes for paraffin embedding	Sakura	4155F	
neutral buffered Formalin	Sakura	8727	
Xylene	Sakura	8733	
Paraffine TEK III	Sakura	4511	

automated embedding apparatus, Tissue-Tek VIP	Sakura	6032	
paraffin-embedding station Tissue-Tek TEC 5	Sakura	5229	
microtome blades, Accu-Edge S35	Sakura	4685	
microscopy slides, Tissue-Tek	Sakura	9533	
cover slips, Tissue-Tek	Sakura	9582	
Mounting medium Tissue-Tek	Sakura	1408	
slide boxes	Sakura	3958	
eosine solution	Sakura	8703	
hematoxyline solution	Sakura	8711	
microtome, RM2125RT	Leica	720-1880 (VWR)	
water bath, Leica HI1210	Leica	720-0113(VWR)	
Ethanol	VWR	ACRO444220050	
15 ml tubes	VWR	734-0451	
staining glass dish	VWR	MARI4220004	
staining jars	VWR	MARI4200005	
Incubator	Binder	9010-0012	
DAB and urea hydrogen peroxide tablets, SIGMAFAST 3,3'-Diaminobenzidine tablets	Sigma	D4293	
PBS (10X)	Thermo Fisher Scientific	70011044	