

Materials List for:

# Quantification of Biventricular Function and Morphology by Cardiac Magnetic Resonance Imaging in Mice with Pulmonary Artery Banding

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URL: <https://www.jove.com/video/60837>

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## Materials

Name	Company	Catalog Number	Comments
14.0 MHz i13L-echocardiography transducer	GE Healthcare, Waukesha, WI, USA		
20G cannula			
23G needle			
9.4T magnetic resonance scanner with 1,500 mT/m gradient set	Bruker BioSpin, Ellingen, Germany		
Anesthesia induction chamber			
Blunt 25G needle			
Buprenorphine			
Chloride-hexidine			
CMR post-processing software	Medis Medical Imaging Systems, Leiden, The Netherlands		Qmass version 7.6
Data visualisation and statistical software	GraphPad Prism Inc, La Jolla, CA, USA		software version 7.02
Echocardiography machine	GE Healthcare, Waukesha, WI, USA		Vivid Dimension 7
Eye ointment			
Heat mat			
Incubator (37°C)			
Isoflurane			
Isoflurane evaporator			
Miniventilator for rodents	Hugo Sachs	model 687	
monofilament polypropylene 5-0 sutures			
monofilament polypropylene 6-0 sutures			
Needle and syringe for subcutaneous injections			
Pediatric electrocardiogram-stickers			
pure polyglycolic acid 5-0 sutures			
Sterile surgical instruments			

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Ventilation mask			
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