

Materials List for

## **Surgically Induced Cardiac Volume Overload by Aortic Regurgitation in Mouse**

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youjieyun1118@hotmail.com	zou.yunzeng@zs-hospital.sh.cn	Zou, Y. Surgically Induced Cardiac Volume Overload by Aortic Regurgitation in Mouse. J.		
		Vis. Exp. (186), e63579, doi:10.3791/63579 (2022).		
Date Published		DOI	URL	
August 30, 2022		10.3791/63579	jove.com/video/63579	

## **Materials**

Name	Company	Catalog Number	Comments
Copper plate	JD.com Inc.	Customized	20 X 15 cm or bigger is prefeered
Curved Tying forceps	66 Vision Tech	53324A	to stretch and isolate muscle, tissue, and vessel
Heating pad	JD.com Inc.	Changzhi 55	warm the copper plate and mouse by the way
Long-handed Curved Tying Forceps	MECHENIC	TS-15	to stretch vessel
Metal Wire (stainless steel)	JD.com Inc.	0.18 mm in diametter	work with a plastic catheter to puncture aortic valves
Needle Holder	Shanghai Jinzhong	131110	suture of skin
Plastic Catheter	Anilab software & instruments	PE-0402	work with a metal wire to puncture aortic valves
Pressure Catheter	Millar Instruments	SPR 835	1.4F in size
Pressure Data Acquisition Device and Analog/Digital Converter	AD Instruments	Labchart 5	connected with pressure catherter
Scissor	Suzhou Shiqiang	Stronger 13Cr	to cut skin
Smallpinch Scissors	Shanghai Jinzhong	YBE030	to cut vessel
Stereomicroscope	Olympus Corporation	SMZ845	for incision and intubation of vessel
Straight Tying forceps	66 Vision Tech	53320A	to stretch and isolate muscle, tissue, and vessel
Thumbforceps	Suzhou Shiqiang	5307B	to clamp and stretch skin and muscle
Ultrasound Gel	PARKER	Aquasonic-100	to transfer ultrasound signal
Ultrasound Imaging System	VisualSonics	2100	includes B-mode, M-model, color Doppler and pulse wave Dopper
Vaporizer	RWD Life Science	R540	for anesthesia

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