

Materials List for

Studying Left Ventricular Reverse Remodeling by Aortic Debanding in Rodents

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jove.com/video/60036

Materials

Name	Company	Catalog Number	Comments
Absorption Spears	F.S.T	18105-03	To absorb fluids during the surgery
Blades	F.S.T	10011-00	To perform the skin incision
Buprenorphine	Buprelieve		Analgesia drug
Catutery	F.S.T	18010-00	To prevent exsanguination
Catutery tips	F.S.T	18010-01	To prevent exsanguination
cotton swab	Johnson's		To absorb fluids during the surgery
Depilatory cream	Veet		To delipate the animal
Disposable operating room table cover	MEDKINE	DYND4030SB	To cover the surgical area
Echo probe	Siemens	Sequoia 15L8W	Ultrasound signal aquisition
Echocardiograph	Siemens	Acuson Sequoia C512	Ultrasound signal aquisition
End-tidal CO ₂ monitor	Kent Scientific	CapnoStat	To control expiration gas saturation
Forcep/Tweezers	F.S.T	11255-20	To dissect the tissues and aorta
Forcep/Tweezers	F.S.T	11272-30	To dissect the tissues and aorta
Forcep/Tweezers	F.S.T	11151-10	To dissect the tissues and aorta
Forcep/Tweezers	F.S.T	11152-10	To dissect the tissues and aorta
Gas system	Penlon Sigma Delta		To anesthesia and mechanical ventilation
Hemostats	F.S.T	13010-12	To hold the suture before tight the aorta
Hemostats	F.S.T	13011-12	To hold the suture before tight the aorta
Ligation aids	F.S.T	18062-12	To place a suture around the aorta
Magnetic retractor	F.S.T	18200-20	To help keep the animal in a proper position
Needle holder	F.S.T	12503-15	To suture the animal
Needle 26G	B-BRAUN	4665457	To serve as a molde of aortic constriction diameter

Oxygen	Air Liquide		To anesthesia and mechanical ventilation
Polipropylene suture	Vycril	W8304/W8597	To suture the animal and to do the constriction
Povidone-iodine solution	Betadine®		Skin antiseptic
PowerLab	Millar instruments	ML880 PowerLab 16/30	PV loop Signal Aquisition
Pulse oximeter	Kent Scientific	MouseStat	To control heart rate and blood saturation
PVAN software	Millar Instruments		To analyse the haemodynamic data
PV loop cathether	Millar instruments	SPR-1035. 1.4 F	PV loop Signal Aquisition
Retractor	F.S.T	17000-01	To provide a better overview of the aorta
Scalpet handle	F.S.T	10003-12	To perform the skin incision
Scissors	F.S.T	15070-08	To cut the suture in debanding surgery
Scissors	F.S.T	14084-09	To cut other material during the surgery e.g. suture, papper
Sevoflurane	Baxter	533-CA2L9117	
Temperature control module	Kent Scientific	RightTemp	To control animal corporal temperature
Ventilator	Kent Scientific	PhysioSuite	To ventilate the animal
Water-bath	Thermo Scientific™	TSGP02	To maintain water temperature adequate to heat the P-V loop catethers