

Semi-Minimal Invasive Method to Induce Myocardial Infarction in Rats and the Assessment of Cardiac Function by an Isolated Working Heart System

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Materials

Name	Company	Catalog Number	Comments
ANAESTHESIA & ANALGESIA			
Isoflurane	Zoetis	TU061219 / 8-00487	
Ketamine	Dr. E. Gräub AG		100 mg/kg of bodyweight
Piritramide	Hameln-Pharma Plus GmbH		2 ampulles with 30 ml of Glucose 5% in 250ml water
Xylazine	Bayer		4 mg/kg of bodyweight
INTUBATION			
Air			
Oxygen (pure)			
Ventilation machine	Hugo Sachs Electronics	UGO Basile S.R.L.	Respirator
14-gauge tube	Dickinson and Company		BD Venflon
PREPARATION			
Anti-septic povidine iodine solution	Mundipharma		Betasisodona solution
Eye ointment	Fresenius Kabi Austria		Oleovital with Vitamin A + Dexpanthenol
Shaver			
SURGICAL INSTRUMENTS			
Anatomical forceps	Martin	12-272-15	
Anatomical forceps small	Martin	24-386-16	
Anatomical forceps thin	Odelga	RU4042-15	
Cautery Fine Tip	High Temp		bvi-Accu-Temp
Cup (small, for liquids)	Martin	56-231/11	
Mensur	MTI	29-260/25	

Mosquito clamps	MTI	05-055/12	
Needleholder short	Martin	20-658-14	
Needleholder thin	Martin		
Round hook		BT-190	
Scalpell size 3	Swann Morton	No.10, 0301	
Scissors for tissue preparation	Aesculap	BC259R	
Sharp scissors	MTI	01-010/10	
Small retractor	Alm	AM.416.10	
Surcigal forceps	Martin	12-321-13	
Surgical scissors			
SUTURES			
PermaHand Silk 4-0	Johnson & Johnson Medical Products GmbH	K891H	
Vicryl 4-0	Johnson & Johnson Medical Products GmbH	JV2024	single monofil suture
Vicryl 6-0	Johnson & Johnson Medical Products GmbH	V301G	polyethylene suture
COMPUTER PROGRAMS & APPARATUS			
Labchart 7 Pro	ADInstruments	v7.3.2	Labchart Software
PowerLab System	ADInstruments	Powerlab 8/30	
EX VIVO HEMODYNAMICS			
Flowmeter Narcomatic RT-500	Narco Bio-Systems		flow probe
Isolated heart apparatus	Hugo Sachs Electronics		
Labchart 7 Pro	ADInstruments GmbH	v7.3.2	Labchart Software
Millar SPR-407	Millar Instruments Inc.	840-4079	high-fidelity MicroTip catheter
Needle electrodes via Animal bio Amp	ADInstruments GmbH	MLA1203	
Physiological Pressure Transducer (MLT844) with Clip-on BP Domes	ADInstruments GmbH	MLT844	
PowerLab System	ADInstruments GmbH	Powerlab 8/30	