

# Sterile Pericarditis in Aachener Minipigs As a Model for Atrial Myopathy and Atrial Fibrillation

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## Materials

Name	Company	Catalog Number	Comments
Aachener minipig, 6-months old, male, castrated, weight 15-25 kg	Carfil		
<b><i>Anesthesia and preparation</i></b>			
ECG electrodes			
Endotracheal tube 6.5 mm ID	Covidien	115-65OR	
External cardioverter-defibrillator	Innomed	Cardio-aid 200B	
Heating pad	OK.	OUB 60321	
Intravenous catheter 22 GA, 1 Inch	BD	381323	
Laryngoscope blade size 4	Miller	SUS426601	
Monitor	GE Medical systems	2600040-003	
Respirator	Datex-Ohmeda	1009-9000-000	
Shaver	Aesculap	GT 104 / REF 985203	
Syringe driver pump	Fresenius Kabi	082470	
<b><i>Arterial and central venous line placement</i></b>			
3-lumen central venous catheterization set, 7 French, 16 cm, 0.032 Inch guide	Arrow medical	EU-22703-EN	
Arterial catheter 3 French, 8 cm	Vygon	1,15,090	
Caresite Luer access device	B. Braun	415122-01	
Fluids: IV bags of Plasmalyte, Glucose 5%, NaCl 0.9% (500 mL or 1000 mL)			
heparinized saline			
Needles: 18 Ga / 40 mm and 22 Ga / 40 mm			

Pressure monitoring set, 195 cm	Edwards Lifesciences	T005021M	
Pressure tubing 180 cm	Edwards Lifesciences	50P172	
suture with needle			
Syringes Luerlok: 2 mL, 5 mL, 10 mL, 20 mL, 50 mL			
Ultrasound gel	Zealand coating	446-1	
Ultrasound with vascular probe	Philips healthcare	EPIQ 7C / REF BZE1723	
<b><i>Surgical set</i></b>			
Blunt-tip surgical scissors	Martin	11-934-25	
60 degrees curved Debaquey forceps	Aesculap	FB403	
Anatomical forceps	AS	13-102-16	
Debaquey forceps	Geister	10-0634	
Electrocautery module	Alsa	Alsatom SU 140/D MPC	
Holders for stainless steel wire	COBE	013-123	
Mosquito	Leibinger	32-01008	
Needle driver, fine	Delacroix-Chevalier	50302-21	
Needle driver, normal	Aesculap	BM 77	
Rib spreader	Martin	24-178-01	
Scalpel	Swann-Morton	0511	no. 24
Scissors for stainless steel wire	Jakobi	411830	
Spreaders	AS	16-058-00	
Sternum saw	Eure-Power	5000020	
Sternum saw blade	MicroAire	ZR-032M	
<b><i>Surgical consumables</i></b>			
Disinfectant: iodine, chlorhexidine			
Electrocautery pencil with push button, cable 5 m	Dongguan QueenMed Equipment	ESPB4001LQ	
Gastric tube	Vygon	390.12	
Mersilene-0, 75 cm	Ethicon	F2505H	
Monocryl 3-0, 70 cm	Ethicon	Y423H	
Mouth masks, hair nets			
Oriflex-4 vacuum flask for surgical draining	Oriplast Krayer	VK00352	
Prolene 6-0, 75 cm	Ethicon	8711H	
Stainless steel monofilament non-absorbable suture	Ethicon	W995	
Sterile drapes	3M	9010	
Sterile gauze 20 x 10 cm	Stella	35921	
Sterile gloves			
Sterile surgical gown			
Steritalc PF3	Novatech	16863	
Vicryl-0, 75 cm	Ethicon	V324H	
<b><i>Cardiac pacing</i></b>			
Bipolar pacing lead Fineline II Sterox EZ 58 cm	Boston Scientific	4474	
Bipolar pacing lead Tendril STS 58 cm	Abbott	2088TC	
Ellegaard Göttingen Minipig Frame 3	Lomir	DF H1PU	
Ellegaard Göttingen Minipig Sling Cover	Lomir	SS CEG1	

Micropace cardiac stimulator	Boston Scientific	EPS 320	
Pacemaker for pacing	Medtronic	Azure XT DR MRI SureScan	
Pacemaker for sensing	Biotronik	Eluna 8 DR-T	
Pacemaker programmer for pacing	Medtronic	CareLink Encore 29901A	
Pacemaker programmer for sensing	Biotronik	ICS 3000 DS CD-W US	
<b>Medication</b>			
Adrenaline 1 mg/mL, 1 mL	Sterop		
Atropine 0.5 mg/mL, 1 mL	Sterop		
Catapressan 150 µg/mL, 1 ml clonidine	Boehringer Ingelheim	BE021402	
Cefazoline 2 g powder	Mylan	BE319794	
Cordarone 50 mg/mL, 3 mL amiodarone	Sanofi		
Durogesic 50 µg/h fentanyl patches	Janssen-Cilag		
Glucose 5%, 500 mL	Baxter	AE0063	
Ketalar 50 mg/mL, 10 mL	Pfizer	804101	
Lanoxin 0.25 mg/mL, 2 mL digoxine	Aspen		
Marcaïne 0.5% + adrenaline 1:200,000	Aspen		
Midazolam 5 mg/ml, 3 mL	B. Braun	3521740	
Morfine 10 mg/mL, 1 mL	Sterop		
NaCl 0.9%, 500 mL	Baxter	AKE1323	
Nitro Pohl 1 mg/mL, 5 mL nitroglycerine	Pohl Boskamp		
Noradrenaline 1 mg/mL, 4 mL	Aguettant		
Plasmalyte 1000 mL	Baxter	AKE0324	
Propofol 10 mg/mL, 20 mL	B. Braun	3521810	
Protamine 1400 IU/mL, 5 mL	Leo pharma		
Rapifen 0.5 mg/mL, 2 mL	Janssen-Cilag	95103	
Seloken 1 mg/mL, 5 mL metoprolol	AstraZeneca		
Sevorane Quick Fill 100% sevoflurane, 250 mL	Abbvie	1283-415	
Tracrיום 10 mg/mL, 5 mL atracurium	Aspen		