

Materials List for:

An Isolated Working Heart System for Large Animal Models

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Materials

Name	Company	Catalog Number	Comments
PowerLab 16/35 with LabChart Pro	ADInstruments	PL3516/P	
MPVS Ultra Pressure-Volume Unit	ADInstruments	880-0168	
Ventri-Cath Catheter (5F, 12E, 7 mm, DField, Straight, 122 cm)	Millar	VENTRI-CATH-507s	
Pressure Catheter (3.5F, Single, Straight, 100 cm, Ny, Non Repairable)	Millar	SPR-524	
PV Extension Cable (10 ft)	ADInstruments	CEC-10PV	
Catheter Interface Cable (10 ft)	ADInstruments	PEC-10D	
Rho Calibration Cuvette	ADInstruments	910-1060	
MPVS Ultra BNC Cable Pack	ADInstruments	880-0172	
Autotransfusion system	Sorin	7320000	
Bowl Set with Low Volume (135 ml) Centrifuge Bowl	Sorin	7135100	
Oxygenator/Heat Exchanger	Terumo	3CXSX18RX	
Perivascular flow probe	Transonic Systems	PAU Series	Size of flow probe will depend on animal size; for 60 kg pig, recommend 20 or 24 mm probe
Perivascular flowmeter module	Transonic Systems	TS420	
Myocardial temperature sensor	Smiths Medical	MTS-40015	
16 G 1" Regular needle	BD Inc.	305197	
4-0 polypropylene suture (double-arm)	Ethicon	8526H	For purse-string stitches
2-0 polypropylene suture (single-arm)	Ethicon	8833H	
Cable ties	ULINE	S-1021	
Cable tie gun	ULINE	H-241	
Clear, Flexible PVC Tubing	VWR International	89068	Inner diameter depends on cannulas, pumps and other equipment used; most commonly use 1/4", 3/8" tubing
Straight Tubing Connectors	VWR International	46600	
Y-Shaped Tubing Connectors	Thermo Scientific	6152	
Jacketed Bubble Trap	Radnoti	14040	For preload chamber
Centrifugal pump	Maquet	70105	The centrifugal pump and roller pumps were obtained used from perfusion department after clinical use.

Roller pumps	Maquet	HL-20	
Hemostasis Valve	Merit Medical	MAP150	
Blood gas analyzer	Instrumentation Laboratory	570001000	