

Materials List for:

# Improvement of a Closed Chest Porcine Myocardial Infarction Model by Standardization of Tissue and Blood Sampling Procedures

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## Materials

Name	Company	Catalog Number	Comments
ABL 90 Flex, blood gas analyser	Radiometer	-	Blood gas analysis (BGA)
ACT Plus	Medtronic	-	Activated clotting time
Atropin	Sintetica	-	Atropinum Sulfas, 0,5mg/ml
Balance (20-500 Kg)	NAGATA Scale, Tiwan	HTB/HTR	Alternative products can be used
Balance (21-4200 g)	Mettler toledo, Switzerland	MS4002SDR	Alternative products can be used
Blood collection tubes: EDTA, citrate and serum	S-Monovette, Nuembrecht, Germany	05.1167.001, 05.1071.001 and 05.1557.001 respectively	Alternative products can be used
BV Pulsera mobile C-arm	Philips	-	Alternative products can be used
Centrifuge	Labcare, UK	ALC PK120R	Alternative products can be used
Defibrillator Lifepak 12	Medtronic	-	Alternative products can be used
Dextran from Leuconostoc mesenteroides	Sigma-Aldrich, Germany	D3759	Average M.wt 48000-90000
Digital single lens reflex camera	Sony, Thailand	DSLR-A500/A550	Alternative products can be used
Dissecting forceps			Alternative products can be used
EMPIRA RX PCI dilatation catheter	Cordis, Johnson&Johnson, USA	85R15300S	Diameter 3 mm, length 15 mm, Alternative products can be used
EMPIRA RX PCI dilatation catheter	Cordis, Johnson&Johnson, USA	85R15350S	Diameter 3.5 mm, length 15 mm, Alternative products can be used
Evans Blue	Sigma-Aldrich, Germany	E2129	Toxic
Fabius GS premium respirator	Dräger, Lübeck, Germany	-	Anesthesia work station, Alternative products can be used
Fentanyl	Inselspital ISPI	-	Fentanyl 2500mcg/50ml
Formaldehyde	Pathology Institute, Bern University	SI148701	Alternative products can be used
FXIIa inhibitor	Provided by Prof. Christian Heinis' laboratory in EPFL		Novel bicyclic peptide
Galeo, coronary guidewire	Biotronik, Germany	125497	Alternative products can be used
Guidance catheter	Boston Scientific, Florida, USA	34356-06	6F (100 cm, EB3.75). Alternative products can be used
Heparin Sodium	Drossapharm, Basel, Switzerland	-	Liquemin, 25000 U.I./5 ml
High end electrosurgery	BOWA, Germany	ARC 400	Electrical source for blood suction. Alternative products can be used
Hydro-Guardmini breathing filter	Intersurgical, Lithuania	1745000	Filters
Image J	National Institute of Health, USA	1.47v	Alternative products can be used

Inflation device, Atrion QL2530	Atrion medical product, Alabama, USA	96402	Alternative products can be used
IntelliVue MP 70	Philips, Boeblingen, Germany	-	Monitor (ECG, heart rate, blood pressure and body temperature). Alternative products can be used
KCl	Sintetica SA	-	Potassium chloride 15%
Ketamine	Vetoquinol	-	Narketan, 1ml/100mg
LR-ACT	Medtronic	402-01	ACT special syringes
Midazolam	Roche	-	Dormicum, 5mg/ml
Monopolar scalpel			Alternative products can be used
Needle holder			Alternative products can be used
High resolution camera, PathStand Macro Imaging Stand for Grossing	Spotimaging, USA		1080 p HD resolution. Alternative products can be used
PBS	In-house preparation	-	Alternative products can be used
Peripheral venous cannula, 18 G			Alternative products can be used
PowerLab 4/35 data acquisition system	Adinstruments, Spechbach, Germany	-	
Rotamax120T	Heidolph, Germany	544-41200-00	Shaker. Alternative can be used
Rüschelit-Super Safety Clear Tube	Teleflex, Dublin, Irland	112480	Air way tubing, Alternative products can be used
Safe Pico Aspirator Syringes	Radiometer	956-622	BGA special syringes
Saline	Sintetica Bioren	-	NaCl 0,9%. Alternative products can be used
Sevorane 1.5%	AbbVie AG	-	Sevorane 250ml 100%
Sheath	Cordis, Johnson&Johnson, USA	504-607 A	AVANTI + / 7 F, Alternative products can be used
Space infusion pump	B.Braun Medical AG, Germany	-	For infusion of fentanyl. Alternative products can be used
SPR-350 (Millar catheter)	Adinstruments, Texas, USA	840-8166	MIKRO-TIP, 5F, 120 cm
Sternotomy saw			Alternative products can be used
Sutures	ETHICON, Johnson&Johnson, USA	Y3110H	Monocryl 3-0 SH-1 Plus. Alternative products can be used
Syringes (20, 10 and 5 mL)	CODAN, Baar, Switzerland	62.7602, 62.6616, 62.5607 respectively	Used to inject anesthetic materials intramuscularly or directly into the central venous line. Also to inject heparin or FXIIa or the respective control. Alternative products can be used
Thorax spreader			Alternative products can be used
Tissue-tek	SAKURA, Netherlands	4583	O.C.T. compound
Vascular forceps			Alternative products can be used
Xenetix 300 contrast media	Guerbet, Zürich, Switzerland	-	Lobitridol, 300 mg iodide/ml
Xylazine	Vetoquinol	-	Xylapan, 20mg/1 mL
2,3,5-Triphenyltetrazolium choride	Sigma-Aldrich, Austria	T8877	
500 µL tubes (eppendorf)	Trefflab, Switzerland	96.08185.9.03	Alternative products can be used