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Materials List for

Multiple Intravenous Bolus Dosing and Invasive Hemodynamic Assessment in a Hypoxia-Induced Mouse Pulmonary Artery Hypertension Model

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Materials

Name	Company	Catalog Number	Comments
5-0 prolene suture pack	Ethicon	8698G	for incision closure
8-0 nylon suture pack	AROSurgical Instruments	T06A08N14-13	for ligation
Anesthesia induction chamber	VETEQUIP	#941444	Holds the animal during anesthesia exposure
Catheter Interface Cable PEC-4D	Millar		for connecting Millar Mikro-Tip catheter to PCU-2000
Charcoal canister filters	VETEQUIP	#931401	to help remove waste anesthetic gases
Cotton swabs	McKesson	24-106	for applying pressure to the injection site to prevent bleeding
Fine scissors	Fine Science Tools	14059-11	Surgical tools
Insulin syringe 28 G	EXEL	26027	for jugular vein IV injection
Isoflurane	COVETRUS	#029405	for mouse anesthesia
LabChart 8 Software	ADInstruments		for data analysis
Mikro-Tip Pressure Catheter SPR-1000 (1.0 F)	Millar		for invasive blood pressure measurement
Needle-25 G	BD	305124	for making a samll hole in a vessel
Oxygen controller ProOx Oxygen Sensor	BioSpherix	E702	for oxygen concentration monitoring
PCU-2000 Pressure Control Unit	Millar		for connecting Millar Mikro-Tip catheter to PowerLab 4/35
PowerLab 4/35	ADInstruments		for Data Acquisition. Investigator needs to connect the PowerLab 4/35 to a personal laptop containing LabChart 8 software for operation.
Prism 8	GraphPad		for statistics and scientific graphing

Semisealable hypoxia chamber	BioSpherix		an artificial environment that simulates high-altitude conditions for animals
Spring Scissors	Fine Science Tools	15021-15	Surgical tools
Tweezer Style 4	Electron Microscopy Sciences	0302-4-PO	Surgical tools
VasoRx compound 7C1/let-7 miRNA	VasoRx, Inc.	Lot# B2-L-16Apr	IV injection compound
VIP 3000 Veterinary Vaporizer	COLONIAL MEDICAL SUPPLY CO., INC.		for accurate anesthesia delivery