

Materials List for:

Shunt Surgery, Right Heart Catheterization, and Vascular Morphometry in a Rat Model for Flow-induced Pulmonary Arterial Hypertension

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Materials

Name	Company	Catalog Number	Comments
Shunt Surgery			
Sterile surgical gloves			
Duratears Eye ointment	Alcon	10380	
Chloride-Hexidine			
Cotton swabs			
Histoacrylic tissue glue	B. Braun Medical	1050052	
Silkam 5-0 sutures black non-resorbable	B. Braun Medical	F1134027	
Safil 4-0 sutures violet resorbable	B. Braun Medical		
18 G needle	Luer	NN1838R BD	tip bent in 45 degrees orifice to the outside
Gauzes 10 x 10 cm	Paul Hartmann	407825	
Temgesic Buprenorphine	RB Pharmaceuticals	5429	subcutaneous injection
Sodium Chloride 0.9%			
Ventilation mask Rat			
Scalple blade			
Biemer clamp 18 mm, 5 mm opening	AgnTho	64-562	
Heat mat			
Kocher Clamp			
Shaving machine			
Microscope	Leica		
Right Heart Catheterization			
Sterile surgical gloves			
Eye ointment	Duratears		
Chloride-Hexidine			
Cotton swabs			
Gauzes 10 x 10 cm	Paul Hartmann	407825	
Silkam 5-0 sutures black non-resorbable	B. Braun Medical	F1134027	
Needle 20 G	Luer		Tip slightly bent to the inside
Cannula 20 G	Luer		to introduce catheter, tip pre-formed in 20 degrees
Silastic Catheter 15 cm long			0.5 mm ball 2 mm from tip

Pressure transducer	Ailtech		
Bedside monitor Cardiocap/5	Datex-Ohmeda		
Shaving machine			
10 mL Syringe			
Sodium Chloride 0.9%			for flushing
Vascular Morphology			
50 mL Syringe			
4% Formaldehyde			
18 G cannula with tube			
Verhoef staining kit	Sigma-Aldrich	HT254	http://www.sigmaaldrich.com/catalog/product/sigma/ht254?lang=en&region=US
Digital slide scanner	Hamamatsu	C9600	
ImageJ			
Elastic (Connective Tissue Stain)	Abcam	ab150667	http://www.abcam.com/elastic-connective-tissue-stain-ab150667.html http://www.abcam.com/ps/products/150/ab150667/documents/ab150667-Elastic%20Stain%20Kit%20(webstie).pdf