

A Heterotopic Rat Heart Transplantation Model using Circulatory Death Donor Hearts

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Materials

Name	Company	Catalog Number	Comments
5-0 nylon suture polyamide monofilament	Aros Surgical	SP17A05N-45	
5-0 silk suture	Surgical Specialties	SP116	
8-0 monofilament suture	Aros Surgical	T06A08N14-13	
Autoclave	Steris	Amsco Lab 250	
BD Insulin Syringe with Detachable Needle 1 mL Syringes	Fisher Scientific	14-820-28	
BD Syringe with Luer-Lok Tips (Without Needle) 10 mL Syringes	Fisher Scientific	14-823-16E	
Belzer University of Wisconsin cold storage solution	Bridge to Life Northbrook IL USA		Adenosine 1.34 g/L, Allopurinol 0.136 g/L, Glutathione 0.922 g/L, Lactobionic Acid (as Lactone) 35.83 g/L, Magnesium Sulfate heptahydrate 1.23 g/L, Pentafraction 50 g/L, Potassium Hydroxide 5.61 g/L, Potassium Phosphate monobasic 3.4 g/L, Raffinose pentahydrate 17.83 g/L
Buprenorfin SR Lab	Zoopharm LLC		
Debakey atraumatic pediatric multi-angle vascular clamp	Aesculap	F341T	
Exel International Disposable Safelet I.V. Catheters 14 G	Fisher Scientific	14-841-10	
Exel International Disposable Safelet I.V. Catheters 22 G	Fisher Scientific	14-841-20	
Fogarty catheter size 4F	Edwards Lifesciences	120404F	
Forceps with curved tips	Accurate Surgical & Scientific Instruments Corporation	ASSI.228	
Gaymar Heating pump	Braintree Scientific, Braintree, MA, USA	TP700	
Germinator-500	Braintree Scientific		

Heparin Sodium Injection, USP 1,000 U/mL	Pfizer	NDC 0069-0137-01	
Iris micro-scissors with straight tips	Accurate Surgical & Scientific Instruments Corporation	ASSI.5253	
Isoflurane USP	Patterson Veterinary	NDC 14043070406	
Ketamine HCl 100 mg/mL	Henry Schein	NDC 6745710810	
Lidocaine HCl 2%	Aspen Veterinary	07-892-4325	
McKesson General Medical 6IN Q-TIPS 2STER WOOD 100/PACK	Fisher Scientific	NC0650323	sterile cotton tip applicators
Micro-scissors, right angle and curved tips	Braintree Scientific	SC-MS 154	
Needle holder	Accurate Surgical & Scientific Instruments Corporation	ASSI.BSL158	with the lock mechanism removed
Normal Saline	Baxter Infusion supplies		
PowerLab station	AD Instruments, Denver, CO		data acquisition system
Sodium Hydroxide/Hydrochloric Acid			adjust the solution to pH 7.4
Sprague Dawley rats			male, 8–16 weeks of age, <400 g in weight
Surgical Microscope	Leika	Model M525 F40	
Surgicel	Ethicon		absorbable hemostat
Temperature probe Thermo Waterproof Type T High Precision Thermocouple Meter	Thermoworks	THS-232-107	
Tweezers with high precision point	Excelta	17-456-109	
Vecuronium Bromide	Sigma-Aldrich	PHR1627	diluted in PBS for 100 mg/mL
Ventelite	Harvard Apparatus, Holliston, MA, USA		
Xylazine 100 mg/mL	Pivetel Anased	NDC 04606675002	