

Materials List for:

Novel Approach for Simultaneous Recording of Renal Sympathetic Nerve Activity and Blood Pressure with Intravenous Infusion in Conscious, Unrestrained Mice.

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Materials

Name	Company	Catalog Number	Comments
Teflon-coated stainless steel multiple stranded wire	A-M Systems	793200	0.001in diameter bare; 0.0055in diameter coated
#11 Scalpel Blade	Fisher Scientific	ALMM9011	
Soldering Iron and solder			Any make or model suitable
Male miniature pin connectors	A-M Systems	520200	Brass with gold plating
Female miniature pin connectors	A-M Systems	520100	Brass with gold plating
Heat Shrink tubing	Radio Shack	Model #: 278-1610 Catalog #: 2781610	1.6 mm diameter
Polyethylene 90 (PE90) tubing	VWR	CA-63018-703	0.86mm inner diameter; 1.27mm outer diameter
Dissecting microscope	Leica Microsystems	Leica M80	Any make or model also suitable
Polyethylene 10 (PE10) tubing	Braintree Scientific	PE10 50 FT	0.28mm inner diameter; 0.61mm outer diameter
Super Glue Liquid	Loctite	n/a	Liquid Formula; any brand suitable
Super Glue Gel	Loctite	n/a	Gel Formula; any brand suitable
Polyethylene tubing	Scientific Commodities	BB31695-PE/13	For pedestal 2.7mm inner diameter; 4.0mm outer diameter
Hospital Sterilization Services & Ozone Sterilization packets			Contact local hospital sterilization services
Isoflurane anesthesia	Abbott	05260-05	
Deltaphase isothermal heat pads & surgical table	Braintree Scientific	39OP	Keep heat pads warm in a 37°C water bath; Corresponding surgical table essential
Glycopyrrolate	Amdipharm Mercury Company Limited	n/a	
Isoflurane vaporizer system & flow gauge	Braintree Scientific	VP I	Include medical grade oxygen supply
Tissue scissors	Fine Science Tools	14173-12	
Fine spring scissors	Fine Science Tools	15006-09	
Small cotton-tipped applicators	Fisher Scientific	23400100	
Fine Straight Forceps	Fine Science Tools	11254-20	#5, FST by Dumont Biologie Tip
Angled Forceps	Fine Science Tools	11251-35	#5/45 FST by Dumont
Small Absorbent Spears	Fine Science Tools	18105-03	
Parafilm	Sigma Aldrich	BR701605 ALDRICH	

Kwik-Sil 2 component Silicone Polymer	World Precision Instruments (WPI)	KWIK-SIL	Purchase extra specialized tips from WPI
5-0 Polysorb Suture	Tyco Healthcare	n/a	
6-0 Silk Suture	Braintree Scientific	SUT-S 104	Deknatel brand, spool
Radiotelemetry Probe	Data Sciences International (DSI)	TA11-PAC10	
Radiotelemetry Receiver	Data Sciences International (DSI)	PhysioTel RPC-1	
Ambient Pressure Reference	Data Sciences International (DSI)	Apr-01	
Pressure Output Adapter	Data Sciences International (DSI)	R11CPA	
Rena Pulse Tubing	Braintree Scientific	RPT-040	
Infusion Swivel	Instech Solomon	375/D/22	
Swivel Support Arm & Mount	Instech Solomon	SMCLA	
Polysulfone button	Instech Solomon	LW62S/6	
Stainless steel spring	Instech Solomon	PS62	
Vetbond surgical adhesive	3M	n/a	
Triple Antibiotic Ointment	Fougera	n/a	
PowerLab 8 Channel Data Acquisition System & Software	ADInstruments	PowerLab 8/35	
PVC Insulated Cable	Belden	PVC Audio Connection Cable 32 AWG	
Preamplification Headstage	Dagan Corporation	Model 4002	
Differential Amplifier	Dagan Corporation	EX4-400	
Sodium Nitroprusside	Sigma Aldrich	71778-25G	
Phenylephrine	Sigma Aldrich	P6126-5G	
Sterile Physiological Saline 0.9% NaCl	Beckton Dickinson		Contact local hospital supplier
hexamethonium	Sigma Aldrich	H0879-5G	
Stainless Steel top anti vibration table	n/a	n/a	Custom designed in-house; Solid steel plate on a benchtop is also suitable
Faraday cage	n/a	n/a	Custom designed and constructed in-house
Small animal hair trimmer	n/a	n/a	Drugstore, men's beard trimmer suitable
Dipilatory Cream	n/a	n/a	Veet brand, sensitive skin formula
10% Povidone Iodine	Purdue Products	Betadiene	
70% Ethanol	n/a	n/a	
Steel microretractors	n/a	n/a	Made in-house. Bend a steel paper clip & loop 4-0 silk to form a retractor
Hemostats	Fine Science Tools	13011-12	
Heat Gun	Fisher Scientific	09-201-27	