

Materials List for:

Quantifying Acute Changes in Renal Sympathetic Nerve Activity in Response to Central Nervous System Manipulations in Anesthetized Rats

Anne M. Fink¹, Caron Dean²

¹Department of Biobehavioral Health Science, College of Nursing, University of Illinois at Chicago

²Department of Anesthesiology, Medical College of Wisconsin and Zablocki VA Medical Center

Correspondence to: Anne M. Fink at afink2@uic.edu

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Materials

Name	Company	Catalog Number	Comments
Stainless steel wire	A-M Systems; Sequim, WA	791000	RSNA electrode
Polyethylene (PE-50) tubing	VWR; Radnor, PA	63019-048	RSNA electrode; vessel cannulation
Miniature pin connector	A-M Systems; Sequim, WA	520200	RSNA electrode
Crimping tool	Daniels Manufacturing Corp.; Orlando, FL	M22520	RSNA electrode
Connector strip	Amphenol; Clinton Township, MI	221-2653	RSNA electrode
J-B Kwik Epoxy	J-B Weld, Sulphur Springs, TX	8270	RSNA electrode
Silicone	Permatex; Hartford, CT	2222	RSNA electrode
Heparin sodium; Injectable (10 mL vial, 1000 U/mL)	KV Veterinary Supply; David City, NE	P03466	Venous line patency
Phenylephrine HCl; Injectable (1 mL vial; 10 mg/mL)	ACE Surgical Supply; Brockton, MA	950-6312	Testing renal sympathoinhibition
Single-hook elastic surgical stays	Harvard Apparatus; Holliston, MA	72-2595	Incision
Silk surgical tape	3M, Minneapolis, MN	1538-0	Secure surgical stays
Needles, 20 G	Sigma-Aldrich; St. Louis, MO	Z192554-100EA	Vessel cannulation
Dumont #7 curved forceps	Fine Science Tools; Foster City, CA	11274-20	Vessel cannulation
5-0 silk suture ties	Braintree Scientific; Braintree, MA	SUT-S 106	Vessel cannulation
Delicate hemostatic forceps	Roboz Surgical Instrument Co.; Gaithersburg, MD	RS-7117	Vessel cannulation and RSNA surgery
Crile Hemostatic forceps	Fine Science Tools; Foster City, CA	13004-14	Needle bending
Telemetry transmitter	Data Sciences International; Minneapolis, MN	PA-10	Mean arterial pressure monitoring (telemetry)
Re-gel syringe	Data Sciences International; Minneapolis, MN	276-0038-001	Transmitter reuse (telemetry)
Disposable pressure transducer	Transpac; San Clemente, CA	MI-1224	Mean arterial pressure monitoring
Clear-Cuff pressure infuser	MILA International Inc.; Florence, KY	2281339	Mean arterial pressure monitoring
Vessel cannulation forceps	Fine Science Tools; Foster City, CA	00574-11	Catheter insertion
Black monofilament nylon 4-0 suture on reverse cutting needle	McKesson Medical-Surgical; San Francisco, CA	S661GX	Secure telemetry transmitter
Telemetry receiver	Data Sciences International; Minneapolis, MN	RPC-1	Mean arterial pressure monitoring (telemetry)
LabChart Pro (software), PowerLab (acquisition hardware)	AD Instruments; Colorado Springs, CO	ML846, MX2 matrix 2.0 (Compatible with Data Science International telemetry)	3 options for software/acquisition hardware

SciWorks (software), DataWave (acquisition hardware)	DataWave Technologies, Loveland, CO	N/A	
Spike 2 (software), Micro1401-3	Cambridge Electronic Design Ltd., London UK	1401-3	
Micro-drill	Roboz Surgical Instrument Co.; Gaithersburg, MD	RS-6300	CNS surgery
Stereotaxic surgery frame	Stoelting; Wood Dale, IL	51600	CNS surgery
Microelectrode amplifier with 10X pre-amplifier	A-M Systems; Sequim, WA	1800-2	RSNA recording
Retractors	Fine Science Tools; Foster City, CA	17009-07	RSNA surgery
Micro-dissecting tweezers	Fine Science Tools; Foster City, CA	11251-10	RSNA surgery
Micro-hook	Fine Science Tools; Foster City, CA	10064-14	RSNA surgery
Mineral oil	Fisher Scientific; Waltham, MA	8042-47-5	RSNA surgery
Audio monitor	A-M Systems; Sequim, WA	3300	RSNA surgery
Silica gel	Wacker, Munchen; Germany	RT601A-B	RSNA surgery
Electrical clips	Tyco Electronics; Schaffhausen, Switzerland	EB0283-000	Grounding or securing perfusion needle
Bonn scissors, straight/sharp points	Roboz Surgical Instrument Co; Gaithersburg, MD	RS-5840	Perfusion
Gavage needle	Harvard Apparatus; Holliston, MA	75-0286	Perfusion
Masterflex perfusion pump	Cole-Parmer; Vernon Hills, IL	7524-10	Perfusion
Masterflex platinum-cured silicone tubing	Cole-Parmer; Vernon Hills, IL	96410-15	Perfusion
Formalin (10% buffered solution; 4 L)	Sigma-Aldrich; St. Louis, MO	HT501128	Perfusion
Sucrose	Sigma-Aldrich; St. Louis, MO	S0389	Cryoprotection