

Materials List for:

An In Vivo Duo-color Method for Imaging Vascular Dynamics Following Contusive Spinal Cord Injury

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Materials

Name	Company	Catalog Number	Comments
Purdue Products Betadine Surgical Scrub	Fisher Scientific	19-027132	Skin sterilization
Ketamine (87.7 mg/kg)/Xylazine (12.3 mg/kg)	Patterson Veterinary	07-881-9413, 07-890-5745	Anesthetic agent
Buprenorphine(0.03 mg/mL)	Patterson Veterinary	07-891-9756	Pain relief agent
Carprofen	Patterson Veterinary	07-844-7425	Non-steroidal anti-inflammatory drug
Dukal Gauze Sponges	Fisher Scientific	22-415-490	Skin sterilization
Decon Ethanol 200 Proof	Fisher Scientific	04-355-450	Skin sterilization
Artificial Tears Eye Ointment	Webster Veterinary	07-870-5261	Prevent drying eyes
Cotton Tipped Applicators	Fisher Scientific	1006015	
Rhodamine B isothiocyanate–Dextran	Sigma-Aldrich	R9379	Average mol wt 70kDa
Fluorescein isothiocyanate–dextran	Sigma-Aldrich	46945	Average mol wt 70kDa
Instrument Sterilizer	Fine Science Tools	18000-50	for sterilizing surgery tool
Spine stabilizer set	Custom Manufactured from Norton Neuroscience Institute		Contact Y. Ping Zhang for details. (yipingzhang50@gmail.com)
Vetbond	3M Animal Care Products	1469SB	Tissue adhesive Glue
Gelfoam	Henry Schein	9083300	Stop bleeding
Noyes Spring Scissors	F.S.T	15013-12	
Fine Forceps- Dumont #5	F.S.T	11254-20	
Rongeur	Fine Science Tools	16021-14	laminectomy
Surgical Retractor	Fine Science Tools	17005-04	
Scalpel	Fine Science Tools	10003-12	skin cut
Scalpel Blade #15	Royal-Tek	BS2982	skin cut
micro angled scissors	World Precision Instruments	500260	Can be from any vendor
3-0 vicryl sutures	Ethicon	J393H	Can be from any vendor
Silk Black Braided Non-Absorbable Suture, 3-0, C-7, Reverse Cutting, 18"	LOOK	786	Can be from any vendor
1 ml syringe	Henke Sass Wolf	4010.200.V0	Can be from any vendor
21 gauge needle	BD	305165	Can be from any vendor

Agar	Sigma-Aldrich	A1296	Can be from any vendor
Two-photon Laser Scanning Microscope	Bruker Fluorescence Microscopy		
LISA device	Custom Manufactured from Norton Neuroscience Institute		Contact Y. Ping Zhang for details. (yipingzhang50@gmail.com)
Paraformaldehyde	Sigma-Aldrich	158127	
HCIImage Live	Hamamatsu Corporation		Imaging software
PrairieView	Prairie Technologies/Bruker		Two-photon imaging software
ImageJ			Image analysis software
Matlab statistics toolbox	The MathWorks, Inc.	https://www.mathworks.com/products/statistics.html?s_tid=srchtitle	Image analysis software