

Materials List for:

Intravital Imaging of Axonal Interactions with Microglia and Macrophages in a Mouse Dorsal Column Crush Injury

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Materials

Name	Company	Catalog Number	Comments
CX3CR1 GFP mice	Jackson laboratories	5582	
Thy-1 YFP H mice	Jackson laboratories	3782	
Mouse pie cage	Braintree Scientific	MPC 2 set	
60 mm ² Petri dish	Corning	430166	For bone marrow isolation
Falcon 40 µm cell filter	Fisher Scientific	08-771-1	For bone marrow isolation
1 x 15 ml and 1 x 50 ml conical tube	Fisher Scientific		For bone marrow isolation
21 gauge needle	BD	305177	For bone marrow isolation
1 ml syringe	BD	309628	For bone marrow isolation
ACK lysis buffer	Gibco	A10492-01	For bone marrow isolation
HBSS	Corning Cellgro	21-022-CV	For bone marrow isolation
RPMI media	Sigma	R8758	For bone marrow isolation
F4/80 antibody	Ebioscience	12-4801 PE	For FACS verification of chimeras
30 gauge insulin syringe	BD	328280	For tail vein injection
Spinal Cord Clamps	Narshinge	STS-A	For imaging
Ortho-Jet Dental Acrylic powder	Lang Dental	REF1320	For imaging
Ortho-Jet Dental Acrylic liquid	Lang Dental	REF1404	For imaging
Gelfoam gelatin sponges	Pfizer	9034201	For imaging
4-0 Ethilon sutures	Ethilon	1667G	For surgery
Reflex Clips, 7 mm	Kent Scientific	INS750344	For surgery. Sterilize before use
Iris Scissors	Fine Science Tools	14061-09	For surgery
45/5 Forceps, Dumoxel	Fine Science Tools	11251-35	For surgery
Rongeurs	Fine Science Tools	16021-14	For surgery
30 gauge needle	BD	305106	For making access holes in dura
Forceps Dumont #4 Biology tips	Dumont	11242-40	For surgery
Needle Drivers	Fine Science Tools	12002-12	For surgery
Michel Wound Clip Forceps	Kent Scientific	INS700753	For surgery
Wound clip remover	Fine Science Tools	12033-00	For surgery
O-rings for Forceps	Fine Science Tools	11200-00	For surgery, Often provided with #4 forceps, can also be ordered separately
Cordless Rechargeable Animal trimmer	Wahl	Series 8900	for surgery

Vetbond	3M	1469SB	For surgery
Betadine Solution (10% Providine-Iodine Topical Solution)	Purdue Products L.P.	NDC 67618-150-08	For surgery
Nair Hair remover lotion	Church & Dwight Co., Inc.	NRSL-22329-05	For surgery
Isoflurane	Butler Schein	NDC 11695-6776-2	Drugs – for surgery
Marcaine	Henry Schein	NDC 0409-1587-50	Drugs – for surgery 1.0 mg/kg given subcutaneously
Buprenex	Henry Schein	121-7793	Drugs – for surgery buprenorphine 0.1 mg/kg
aCSF	Chemicals from Sigma	119 mM NaCl 26.2 mM NaHCO ₃ 2.5 mM KCl 1 mM NaH ₂ PO ₄ 1.3 mM MgCl ₂ 10 mM glucose	For surgery From Cold Spring Harbor Protocols
TRITC-dextran 150,000 MW	Sigma	T1287	For intravenous administration to label vasculature