

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	
60mm ² petri dish	Corning	430166	For bone marrow isolation
Falcon 40 um cell filter	Fisher Scientific	08-771-1	For bone marrow isolation
1x15mL and 1x50mL conical tube	Fisher Scientific		For bone marrow isolation
16 gauge needle	BD	305177	For bone marrow isolation
1ml syringe	BD	309628	For bone marrow isolation
ACK lysis buffer	Gibco	A10492-01	For bone marrow isolation
HBSS	Gibco	1E+07	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	9E+06	For imaging
4-0 Ethilon sutures	Ethilon	1667G	For surgery
Reflex Clips, 7mm	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	6E+06 	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	For surgery
26.2 mM NaHCO ₃	From Cold Spring Harbor Protocol 		
2.5 mM KCl 			
1 mM NaH ₂ PO ₄			
1.3 mM MgCl ₂			
10 mM glucose			
TRITC-dextran 150,000 MW	Sigma	T1287	For intravenous administration to label vasculature