

Materials List for:

Femur Window Chamber Model for *In Vivo* Cell Tracking in the Murine Bone Marrow

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Materials

Name	Company	Catalog Number	Comments
NRCNU-F athymic nude mice	Taconic	Ncr nude	8-10 weeks old, female
Saline	Baxter	JB1302P	
Ketamine hydrochloride	Bioniche Animal Health Canada, Inc.	DIN 01989529	
Xylazine	Bayer HealthCare, Bayer Inc.	DIN 02169592	
Surgical drape	Proxima	DYNJP2405	
Electric heating pad	Life Brand	57800827375	
Stereomicroscope	Leica	Leica M60	
Eye ointment (tear gel)	Novartis	T296/2	
7.5% betadine	Purdue Frederick Co	67618-151-16	
70% isopropyl alcohol	GreenField	P010IP7P	
10% betadine	Purdue Frederick Co	67618-150-05	
Scalpel handle (#3)	Fine Science Tools	10003-12	
Scalpel blade (#15)	VWR	89176-368	
Spring Scissors curved	Fine science Tools	15023-10	
Baby-Mixter Hemostat	Fine science Tools	13013-14	
Fine Scissors	Fine science Tools	14094-11	
Extra Fine Graefe Forceps	Fine science Tools	11151-10	
Halsted-Mosquito Hemostats	Fine science Tools	13008-12	
Micro-drill	Harvard Apparatus	72-6065	
Micro-drill burrs	Fine Science Tools	19007-14	
Femur window chamber	PMCC machine shop	custom design	9.1 mm- 8.5 mm- 7.5 mm (outer to inner diameter), 2.16 mm (radius of two holes), 13.9 mm (distance between two holes), 0.7 mm (thickness)
U-shaped bar	PMCC machine shop	custom design	13.8 mm (length), 1.6 mm (width), 3.7 mm (height)
Coverglass (8 mm)	Warner Instruments	HBIO 64-0701 CS-8R	
Retaining ring (8 mm)	ACKLANDS GRAINGER	UNSPSC # 31163202	
Nuts (hexagon stainless steel)	Fastenal	70701	
Dental cement	3M	RelyX U200	
Suture (5-0 Monosof black)	Covioien	SN-5698	

Halsey needle holder	Fine Science Tools	12501-13	
Buprenorphine (Temgesic)	Reckitt Benckiser	DIN 0281251	
Meloxicam (Metacam)	Boehringer Ingelheim	DIN 02240463	
Amoxicillin (Clamavox)	Pfizer	DIN 02027879	
FITC-Dextran	Sigma-Aldrich	FD2000S	
APC- Anti-Mouse Ly-6G (Gr-1)	eBioscience	17-9668	
Two-photon microscope LSM 710	Carl Zeiss	Zeiss LSM 710 NLO	
Imaging stage	PMCC machine shop	custom design	15.9 cm (length), 11 cm (width), 0.9 cm (height)
Imaris software	Bitplane	Imaris 8.0	Image analysis software described in Section 3 of the Protocol
Zen 2012	Zeiss	Zen 2012	Image acquisition software described in Section 2 of the Protocol