

Materials List for

Real-Time Imaging of CCL5-Induced Migration of Periosteal Skeletal Stem Cells in Mice

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jove.com/video/61162

Materials

Name	Company	Catalog Number	Comments
½" optical post	ThorLabs	TR2	For imaging mount
1 mL syringe	BD	309659	
27G needle	BD PercisionGlide	305111	
29G insulin syringe	McKesson	102-SN05C905P	
50 mL conical tube	Falcon	352098	For mouse restraint
Adjustable angle plate	Renishaw	R-PCA-5023-50-20	For imaging mount
Alcohol wipes	Coviden	6818	
betadine surgical scrub	Henry Schen	67618-151-16	
Buprenorphine SR-LAB	ZooPharm		1mg/mL Sustained Release
Combo III	Obtained from staff veterinarian	N/A	37.6 mg/mL Ketamine; 1.9 mg/mL Xylazine; 0.37 mg/mL Acepromazine
Coverslip	Fisher	12-545-87	24 x 40 premium superslip
Fine tip forceps	FST	11254-20	
Ketamine	KetaVed	50989-161-06	100 mg/mL
Leica TCS SP8MP with DM6000CFS	Leica Microsystems	N/A	
Matrigel	R & D Systems	344500101	
Medical tape	McKesson	100199	3" x 10 yds (7.6 cm x 9.1 m)
Methocellulose	Electron Microscopy Sciences	19560	
Microdissection scissors	FST	1456-12	
Motorized stage	Anaheim automation	N/A	
Needle holder	FST	12500-12	
Nonabsorbable sutures	McKesson	S913BX	monofilament nylon 5-0 nonabsorbable sutures with attached C-1 reverse cutting needle
Ophthalmic ointment	Rugby	0536-1086-91	
RANTES	Biolegend	594202	10 µg/50 µL
Right-angle clamp for ½" post, 3/16" Hex	ThorLabs	RA90	For imaging mount

Spring-loaded 3/16" Hex-locking 1/4" thumbscrew	ThorLabs	TS25H	For imaging mount
Sterile cotton swabs	Henry Schen	100-9249	
Sterile DPBS (1x)	Corning	21-030-CV	
Sterile drapes	McKessen	25-517	
Surgical gloves	McKessen	3158VA	
Triple antibiotic ointment	Taro Pharmaceuticals U.s.a., Inc.	51672-2120-2	
Vacutainer blood collection set	BD	REF 367298	25G butterfly needle infusion set with 12" tubing