

Materials List for:

A Simple Critical-sized Femoral Defect Model in Mice

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Materials

Name	Company	Catalog Number	Comments
Pin assembly			
Dremel rotary tool	Dremel	8220	or equivalent
Heavy duty cut off wheel	Dremel	420	
Surgical tubing 19 G	Small Parts (Amazon)	B000FMZ8LY	OD 1.07 mm, ID 0.889 mm
Surgical tubing 21 G	Small Parts (Amazon)	B000FMZ8YQ	OD 0.82 mm, ID 0.635 mm
Surgical tubing 22 G	Small Parts (Amazon)	B000FMYLZS	OD 0.719 mm, ID 0.502 mm
Surgical tubing 23 G	Small Parts (Amazon)	B000FN0SY0	OD 0.643 mm, ID 0.444 mm
Cyanoacrylate adhesive	Loctite	1365882	
Emery disc	Dremel	413	
Rubber polishing point	Dremel	462	
Felt polishing disc	Dremel	414	
Gelatin sponge	Surgifoam/Ethicon	1974	
Punch biopsy cutter	Miltex	33-34	
Surgery/post-operative			
Warm pad and circulator pump	Stryker/Thermocare	TP700, TP700C, TPP722	
Coverage quaternary spray	Steris	1429-77	
Bead sterilizer	Germinator/CellPoint Scientific	Germinator 500	
Anesthesia system	VetEquip Inc	901806 or 901807/901809	
Isoflurane anesthetic	VEtone/MWI	501017, 502017	
Surgical disinfectant	Chloraprep/CareFusion	260449	
Surgical tools	Fine Science Tools	various	recommend German made
Face protection	Splash Shield	4505	
Rechargeable high speed drill	Fine Science Tools	18000-17	
Diamond cutting wheel	Strauss Diaiond	361.514.080HP	
Absorbable sutures	Covidien	UM-213	
Outer sutures	Ethicon	668G	or equivalent
Vetbond	3M	1469SB	or equivalent
Hydration gel	Clear H2O	70-01-1082	
Diet gel	Clear H2O	72-01-1062	
Buprenorphine	Reckitt and Benckser	12496-0757-01	controlled substance
Mouse igloos	Bio Serv	K3328, 3570,3327	
Euthanasia cocktail	Euthasol/Virbac	710101	controlled substance
Analysis			

Live animal imager	Orthoscan	FD Pulse	or equivalent
Micro-CT unit and software	Bruker	Skyscan1174	or equivalent
Sealing film/Parafilm M	VWR or Fisher	100501-338, S37441	
*Generic sources are suitable for all other items such as gauze, drapes, protective clothing, animal care equipment.			