

Materials List for:

# Rapid Isolation of BMPR-IB+ Adipose-Derived Stromal Cells for Use in a Calvarial Defect Healing Model

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## Materials

Name	Company	Catalog Number	Comments
100 micron cell strainer	Falcon	352360	
15 blade scalpel	Miltex	4-515	
24 well plate	Corning	3524	
40 micron cell strainer	Falcon	352340	
50 mL conical centrifuge tubes	Falcon	352098	
6-0 Ethilon nylon suture, 18", P-3 needle,	Ethicon	1698G	
Anti-BMPR-IB primary antibody	R&D systems	FAB5051A	
BioGel PI surgical gloves	Mölnlycke Health Care	ALA42675Z	
Buprenorphine SR	ZooPharm		
Castro-Viejo needle driver	Fine Science Tools	12565-14	
CD1 nude mouse	Charles River	086	
Collagenase Type II powder	Gibco	17101-015	
DMEM medium	Gibco	10564-011	
Drill: Circular knife 4.0 mm	Xemax Surgical	CK40	
Drill: Z500 Brushless Micromotor	NSK	NSKZ500	
FBS	Gicbo	10437-077	
Fisherbrand Absorbent Underpads, 20" x 24"	Fisher Scientific	14-206-62	
Fisherbrand Sterile cotton gauze pad, 4" x 4"	Fisher Scientific	22-415-469	
Heating pad	Kent Scientific	DCT-20	
Hyclone 199/EBSS medium	GE Life Sciences	SH30253.01	
Isothesia isoflurane	Henry Schein	050033	
Micro Forceps with teeth	Roboz	RS-5150	
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Paraffin film (Parafilm)	Bemis	PM996	
PBS	Gibco	10010-023	
Pen-Strep	Gibco	15140-122	
PLGA scaffolds	Proprietary Formulation		
Poloxamer 188, 10%	Sigma	P5556-100ML	
Polylined Sterile Field, 18" x 24"	Busse Hospital Disposables	696	Cut a rectangular hole of the appropriate size
Polysucrose Solution: Histopaque 1119	Sigma	11191	

Povidone Iodine Prep Solution	Medline	MDS093944H	
Puralube petrolatum ophthalmic ointment, 1/8 oz. tube	Dechra Veterinary Products		
RBC lysis buffer	Sigma	11814389001	
Webcol alcohol prep swabs	Covidien	6818	