

Materials List for:

Adjustable Stiffness, External Fixator for the Rat Femur Osteotomy and Segmental Bone Defect Models

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Materials

Name	Company	Catalog Number	Comments
RatExFix simple 100%	RISystem AG Davos, Switzerland	RIS.612.120	
RatExFix simple 70%	RISystem AG Davos, Switzerland	RIS.612.123	
RatExFix simple 40%	RISystem AG Davos, Switzerland	RIS.612.121	
RatExFix simple 10%	RISystem AG Davos, Switzerland	RIS.612.122	
RatExFix Connection element 100%	RISystem AG Davos, Switzerland	RIS.612.130	
RatExFix Connection element 70%	RISystem AG Davos, Switzerland	RIS.612.131	
RatExFix Connection element 40%	RISystem AG Davos, Switzerland	RIS.612.132	
RatExFix Connection element 10%	RISystem AG Davos, Switzerland	RIS.612.133	
RatExFix Main body	RISystem AG Davos, Switzerland	RIS.611.101	
RatExFix InterlockingScrew	RISystem AG Davos, Switzerland	RIS.412.110	
RatExFix Mounting pin 0.85 mm	RISystem AG Davos, Switzerland	RIS.412.100	
RatExFix Saw Guide 100% 5 mm	RISystem AG Davos, Switzerland	RIS.312.100	
Accu Pen 6V+	RISystem AG Davos, Switzerland	RIS.390.211	
HandDrill	RISystem AG Davos, Switzerland	RIS.390.130	
Drill Bit 0.79 mm	RISystem AG Davos, Switzerland	RIS.593.203	
Gigly wire saw 0.22 mm	RISystem AG Davos, Switzerland	RIS.590.100	
Square box wrench 0.70 mm	RISystem AG Davos, Switzerland	RIS.590.112	
Square box wrench 0.50 mm	RISystem AG Davos, Switzerland	RIS.590.111	
Centering bit 1.00 mm	RISystem AG Davos, Switzerland	RIS.592.205	
Scalpel Blade handle	Fine Science tools		
Scalpel Blade (Size 15)	Fisher Scientific		
Tissue Forceps	Fine Science tools		
Scissors	Fine Science tools		
Retractor	Fine Science tools		
Needle Holder	Fine Science tools		
Henahan Elevator	Fine Science tools		
S-shape curved dissecting and ligature forceps	Fine Science tools		2
Dressing Forceps	Fine Science tools		2
Sterile Fenestrated drape	Fisher Scientific		for surgery
Sterile gauze	Fisher Scientific		for surgery
5 ml syringe	Fisher Scientific		for irrigation of defect
24-27G needle	Fisher Scientific		for irrigation of defect

1 cc Insulin syringes	Fisher Scientific		for drug injections
sterile saline	Fisher Scientific		for bone defect irrigation
sterile gloves	Fisher Scientific		to perform surgeries
chloroheezadine	Fisher Scientific		disinfecting solution for surgical site
Vicryl suture 4-0 with SH-1	Fisher Scientific		to suture muscle
Ethibond suture 3-0	Fisher Scientific		to suture skin
Isoflurine	Sigma-Aldrich		for anesthesia
Buprenorphine	Sigma-Aldrich		analgesia during and after the surgery
Cefazolin	Sigma-Aldrich		antibiotic during and after the surgery
Sprague-Dawley Rats or any other strain	Charles River Laboratories International, Inc. (Wilmington, MA USA)		