

Materials List for

Fabrication of Decellularized Spleen Matrix Derived from Rats

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Materials

Name	Company	Catalog Number	Comments
Anesthesia Machine	Harvard Apparatus	tabletop	animal anesthesia
bubble trap	Shandong Weigao Group Medical Polymer Co., Ltd.	pore diameter: 5 μm	prevent air bubbles
Buprenorphine	TIPR Pharmaceutical Responsible Co.,Ltd		an analgesic
Hemostatic Forceps	Shanghai Medical Instruments Co., Ltd	J31020	surgical tool
Heparinized Saline	SPH No.1 Biochemical & Pharmaceutical Co., LTD		prevent the formation of thrombosis
Isoflurane	RWD life Science Co.		anesthetic:for the induction and maintenancof anesthesia
Penicillin-Streptomycin	Beyotime Biotechnology Co., Ltd.	C0222	antibiotics in vitro to prevent microbial contamination
Peristaltic Pump	Baoding Longer Precision Pump Co., Ltd.	BT100-1L	
Phosphate-Buffered Saline	Shanghai Titan Scientific Co., Ltd.	4481228	phosphoric acid buffer salt solution
Silicone Tube	Baoding Longer Precision Pump Co., Ltd.	2.4×0.8mm	
Silk Suture	Yangzhou Jinhuan Medical Instrument Factory	6-0 and 3-0	ligate blood vessels
Sodium Dodecyl Sulfate	Shanghai Titan Scientific Co., Ltd.	151-21-3	ionic detergent, dissolves both cell and nuclear membranes
Syringe Pump	Shenzhen Mindray Bio-Medical Electronics Co., Ltd	BeneFusion SP5	intravenous infusion
Triton X-100	Shanghai Titan Scientific Co., Ltd.	9002-93-1	non-ionic detergent, disrupts lipid-lipid, lipid-protein, and DNA-protein interactions
Venous Catheter	B. Braun Company	24G	inserting the spleen artery