

Materials List for:

Slicing and Culturing Pig Hearts under Physiological Conditions

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Materials

Name	Company	Catalog Number	Comments
1000ml, 0.22µm, Vacuum Filter/ Storage Systems	VWR	28199-812	
2,3-Butanedione monoxime (BDM)	Fisher	AC150375000	
500ml, 0.22µm, Vacuum Filter/ Storage Systems	VWR	28199-788	
6-well C-Dish Cover (electrical-stimulation-plate-cover)	Ion Optix	CLD6WFC	
6-well plates	Fisher	08-772-1B	
Agarose	Bioline USA	BIO-41025	
Antibiotic-Antimycotic	Thermo	15-240-062	
C-Pace EM (cell-culture-electrical-stimulator)	Ion Optix	CEP100	
Calcium Chloride (CaCl ₂)	Fisher	C79-500	
Ceramic Blades for Vibrating Microtome	Campden Instruments	7550-1-C	
Cooley Chest Retractor	Millennium Surgical	63-G5623	
D-Glucose	Fisher	D16-1	
Disposable Scalpel #20	Biologyproducts.com	DS20X	
Falcon Cell Strainers, Sterile, Corning	VWR	21008-952	
Fetal Bovine Serum	Thermo	A3160502	
Graefe Forceps	Fisher	NC9475675	
Heparin sodium salt	Sigma-Aldrich	H3149-50KU	
HEPES	Fisher	BP310-1	
Histoacryl BLUE Tissue glue	Amazon		https://www.amazon.com/HISTOACRYL-FLEXIBLE-1051260P-Aesculap-Adhesive/dp/B074WB5185/
Iris Spring scissors	Fisher	NC9019530	
Iris Straight Scissors	Fisher	731210	
Isoflurane, USP	Piramal	NDC 66794-017-25	
ITS Liquid Media Supplement	Sigma-Aldrich	I3146-5ML	

Ketamine HCl (500 mg/10 mL)	West-Ward	NDC 0143-9508	
Magnesium Chloride (MgCl ₂)	Fisher	M33-500	
Mayo SuperCut Surgical Scissors	AROSurgical Instruments Corporation	AROSuperCut™ 07.164.17	
Medium 199, Earle's Salts	Thermo	11-150-059	
Oxygen regulator	Praxair		
Oxygen tanks -	Praxair		
Plastic Pasteur pipettes	Fisher	13-711-48	
Potassium Chloride (KCl)	Fisher	AC193780010	
Printer Timing Belt	Amazon		https://www.amazon.com/Uxcell-a14081200ux0042-PRINTER-Precision-Timing/dp/B00R1J3KDC/
Razor rectangle blades	Fisher	12-640	
Recombinant Human FGF basic	R&D Systems	233-FB-025/CF	
Recombinant Human VEGF	R&D Systems	293-VE-010/CF	
Retractable scalpels	Fisher	22-079-716	
Sodium Bicarbonate (NaHCO ₃)	Fisher	AC217125000	
Sodium Chloride (NaCl)	Fisher	AC327300010	
Vibrating Microtome	Campden Instruments	7000 SMZ-2	
Xylazine HCl (100 mg/mL)	Heartland Veterinary Supply	NADA 139-236	