

Materials List for:

Murine Model of Femoral Artery Wire Injury with Implantation of a Perivascular Drug Delivery Patch

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URL: https://www.jove.com/video/52403

DOI: doi:10.3791/52403

Materials

Name	Company	Catalog Number	Comments
Straight spring wire, 0.15" diameter	Cook	G02426	
High Temperature cautery	Bovie Medical Corp.	HIT1	
High-temperature fine tip for cautery	Bovie Medical Corp.	H101	
Micro-scissors	Fine Science Tools	15000-13	For performance of arteriotomy
Angled fine-tipped forceps	Fine Science Tools	11251-35	For blunt dissection of vascular bundle
Angled forceps	Roboz	RS-5069	For clearing tissues
Surgical scissors	Roboz	RS-5840	For cutting skin
Retractor	Fine Science Tools	18200-10	
Retractor wire	Fine Science Tools	18200-05	Attached to retractor
Base plate	Fine Science Tools	18200-03	For use with retractor
Magnetic retractor fixator	Fine Science Tools	18200-01	
Needle Holder	Roboz	RS-7822	
Hemostatic forceps	Biomedical Research Instruments, Inc.	34-1000	
Dissecting microscope	Meiji Techno	EMZ-5TR	
Microscope light source	Meiji Techno	FT191	
Warm water recirculator	Gaymar	TP-500	For maintaining mouse body temperature
Reusable heating pad	Gaymar	TP-R 22G	For maintaining mouse body temperature
Lidocaine	Various		
4.0 Vicryl suture with half circle needle	Ethicon	J494G	For post-surgical wound closure
Sterile cotton-tipped applicators	Puritan	25-806-2WC	For application of depilatory cream and absorbing fluids
Depilatory cream	Nair		
Isoflurane	Various		
Betadine	Various		
70% ethanol	Various		
6.0 braided silk suture	Teleflex Medical	4-S	For isolation of femoral artery during surgery
0.9% sodium chloride	Various		For irrigating tissues
Gel eye lubricant	Various		
Glass Petri dish	Pyrex	3160-60	For femoral artery harvest
10% buffered formalin	Various		For fixation of femoral artery



70% ethanol	Various		For fixation of femoral artery
Bouin's fluid	Electron Microscopy Sciences		For Movat's Pentachrome staining
Alcian blue, 1%	Electron Microscopy Sciences	26385-01	For Movat's Pentachrome staining
Alkaline alcohol	Electron Microscopy Sciences	26385-02	For Movat's Pentachrome staining
Orcein, 0.2%	Electron Microscopy Sciences	26385-03	For Movat's Pentachrome staining
Hematoxylin alcoholic, 5%	Electron Microscopy Sciences	26385-04	For Movat's Pentachrome staining
Ferric chloride, 10%	Electron Microscopy Sciences	26385-05	For Movat's Pentachrome staining
Lugol's lodine	Electron Microscopy Sciences	26385-06	For Movat's Pentachrome staining
Woodstain scarlet-acid fuchsin working solution	Electron Microscopy Sciences	26385-07	For Movat's Pentachrome staining
Acetic acid, 0.5%	Electron Microscopy Sciences	Various	For Movat's Pentachrome staining
Phosphotungstic acid, 5%	Electron Microscopy Sciences	26385-09	For Movat's Pentachrome staining
Alcoholic saffron, 6%	Electron Microscopy Sciences	26385-10	For Movat's Pentachrome staining