

Materials List for:

Murine Surgical Model of Topical Elastase Induced Descending Thoracic Aortic Aneurysm

Zachary Tyerman¹, Jolian Dahl¹, Alexander Shannon¹, W. Forrest Johnston², Nicholas H. Pope¹, Guanyi Lu³, Gilbert R. Upchurch Jr.³, Gorav Ailawadi^{1,4}, Morgan Salmon¹

¹Department of Surgery, University of Virginia School of Medicine

²Department of Surgery, Ochsner Medical Center

³Department of Surgery, University of Florida

⁴The Robert M. Berne Cardiovascular Research Center, University of Virginia School of Medicine

Correspondence to: Morgan Salmon at msa5m@virginia.edu

URL: <https://www.jove.com/video/60105>

DOI: [doi:10.3791/60105](https://doi.org/10.3791/60105)

Materials

Name	Company	Catalog Number	Comments
Angiocatheter (22G)			Used for ET Tube
Dumont Tweezers; Pattern #7 x2	Roboz	RS-4982	
Graefe Tissue Forceps	Roboz	RS-5158	
Harms Forceps x2	Roboz	RS-5097	
Intracardiac Needle Holder; Extra Delicate; Carbide Jaws; 7" Length	Roboz	RS-7800	
KL 1500 LED Light Source	Leica	150-400	
M205A Dissection Microscope	Leica	CH 94-35	
Iris Scissors, 11cm, Tungsten Carbide	World Precision Instruments	500216-G	
Metal Clip board			Use with the Mouse Retractor Set
Mouse Retractor Set	Kent	SURGI-5001	Need 2 short and 1 tall fixators
Mouse Ventilator MiniVent Type 845, 115 V, Power Supply with US Connector	Harvard Apparatus	73-0043	MiniVent Ventilator for Mice (Model 845), Single Animal, Volume Controlled
Sigma Aldrich	Elastase from porcine pancreas	E0258-50MG	Can be purchased in various size bottles
Small Vessel Cauterizer Kit	Fine Science Tools	18000-00	Recommend using rechargeable AA batteries
Spring Scissors, 10.5cm	World Precision Instruments	14127	
Steril Swabs (Sponges)	Sugi	31603	Can be cut to size
Surgi Suite Surgical Platform	Kent		Attach to clip board
Tech IV Isoflurane Vap	Jorgensen Laboratories	J0561A	Anesthesia vaporizer