

Materials List for

A Modified Cuff Technique for Mouse Cervical Heterotopic Heart Transplantation Model

Xin Mao^{*1}, Peng Xian^{*1}, Hang You^{1,2}, Gang Huang³, Jun Li¹

¹Department of Urological Oncology Surgery, Chongqing University Cancer Hospital ²School of Medicine, Chongqing University ³Department of Biochemistry and Molecular Biology, College of Basic Medical Science, Army Medical University

*These authors contributed equally

Corresponding Author

Jun Li
lijunmed@cqu.edu.cn

Citation

Mao, X., Xian, P., You, H., Huang, G., Li, J. A Modified Cuff Technique for Mouse Cervical Heterotopic Heart Transplantation Model. *J. Vis. Exp.* (180), e63504, doi:10.3791/63504 (2022).

Date Published

February 7, 2022

DOI

10.3791/63504

URL

jove.com/video/63504

Materials

Name	Company	Catalog Number	Comments
5-0 Polyamide Monofilament suture	B.Braun Medical Inc.	C3090954	
8-0 Polyamide Monofilament suture	B.Braun Medical Inc.	C2090880	
10-0 Polyamide Monofilament suture	B.Braun Medical Inc.	G0090781	
22 G polyurethane cuff	B.Braun Medical Inc.	4251628-02	
26 G polyurethane cuff	Suzhou Linhua Medical Instrument Co., LTD	REF383713	
Anesthesia induction chamber	RWD Life Science Co., LTD	V100	
Atraumatic microvascular clamp	Beyotime	FS500	
BALB/c and C57BL/6 mice (20–30 g)	Centre of Experimental Animals (Army Medical University, Chongqing, China)		
Buprenorphine	US Biological life Sciences	352004	
Electrocoagulator	Guangzhou Runman Medical Instrument Co., LTD	ZJ1099	
Gauze	Henan piaoan group Co., LTD	10210402	
Heating pad	Guangzhou Dewei Biological Technology Co., LTD	DK0032	
Heparin	North China Pharmaceutical Co., LTD	2101131-2	
HTK solution	Shenzhen Changyi Pharmaceutical Co., LTD	YZB/Min8263-2013	
Injection syringe (10 mL)	Shandong weigao group medical polymer Co., LTD	20211001	
Isoflurane	RWD Life Science Co., LTD	21070201	
Physiological saline	Southwest pharmaceutical Co., LTD	H50021610	
Scalp needle	Hongyu Medical Group	20183150210	
Shaver	Beyotime	FS600	
Small animal anesthesia machine	RWD Life Science Co., LTD	R500	

Surgical operation microscope	Tiannuoxiang Scientific Instrument Co. , Ltd, Beijing, China	SZX-6745	
Swab	Yubei Medical Materials Co., LTD	21080274	