

Materials List for

Optimization of the Cuff Technique for Murine Heart Transplantation

Yunhan Ma^{1,2}, Baiyi Xie^{1,2}, Helong Dai^{3,4,5}, Chenxi Wang⁶, Shujiao Liu⁶, Tianshu Lan⁷, Shuangyue Xu^{1,2}, Guoliang Yan^{1,2,6}, Zhongquan Qi^{1,2,8}

¹Organ Transplantation Institute, School of Medicine, Xiamen University

²Fujian Key Laboratory of Organ and Tissue Regeneration

³Department of Kidney Transplantation, Center of Organ Transplantation, The Second Xiangya Hospital of Central South University

⁴Clinical Research Center for Organ Transplantation in Hunan Province

⁵Clinical Immunology Center, Central South University

⁶School of Medicine, Xiamen University

⁷Xiamen Medical College

⁸Medical College, Guangxi University

*These authors contributed equally

Correspondence to: Guoliang Yan at zhuanyiyang@126.com, Zhongquan Qi at zqqi@xmu.edu.cn

URL: <https://www.jove.com/video/61103>

DOI: [doi:10.3791/61103](https://doi.org/10.3791/61103)

Materials

Name	Company	Catalog Number	Comments
Artery cuff	Self-made		Polyamide tube. diameter: 0.55 mm,length: 1.0 mm
Artery inner tube	Self-made		Polyamide tube. Diameter: 0.28mm
Micro curved forceps	Shanghai Medical Instruments (Group) Ltd., Corp. Surgical Instruments Factory	WA3050	1/8 arc, 0.3-mm tip without a hook
Micro needle holders	Shanghai Medical Instruments (Group) Ltd., Corp. Surgical Instruments Factory	WA2050	0.2-mm tip
Micro scissors	Shanghai Medical Instruments (Group) Ltd., Corp. Surgical Instruments Factory	WA1050	Straight, blade length: 10 mm
Micro straight forceps	Shanghai Medical Instruments (Group) Ltd., Corp. Surgical Instruments Factory	WA3060	0.15-mm tip without a hook
Scanlan Vasco-Statt Bulldog Clamps	Scanlan International Inc	1001-531	Clamping pressure 20–25 grams
Vein cuff	Self-made		Polyamide tube. diameter: 0.9 mm,length: 1.2 mm
Vein inner tube	Self-made		Polyamide tube. Diameter: 0.6 mm