

Materials List for

A Modified Simple Method for Induction of Myocardial Infarction in Mice

Chenglin Jiang^{*1,2}, Jianqing Chen^{*1,2}, Yichao Zhao^{*2}, Dasheng Gao¹, Hongju Wang¹, Jun Pu^{1,2}

¹Department of Cardiology, The First Affiliated Hospital of Bengbu Medical College ²Department of Cardiology, Ren Ji Hospital, School of Medicine, Shanghai Jiao Tong University

* These authors contributed equally

Corresponding Authors

Hongju Wang

hongjuwang@outlook.com

Jun Pu

pujun310@hotmail.com

Citation

Jiang, C., Chen, J., Zhao, Y., Gao, D., Wang, H., Pu, J. A Modified Simple Method for Induction of Myocardial Infarction in Mice. *J. Vis. Exp.* (178), e63042, doi:10.3791/63042 (2021).

Date Published

December 3, 2021

DOI

10.3791/63042

URL

jove.com/video/63042

Materials

Name	Company	Catalog Number	Comments
2,3,5-Triphenyltetrazolium chloride	SIGMA	T8877-25G	TTC staining
4-0 silk suture	YUANKANG	4-0	Surgical instrument
Autoclave	HIRAYAMA	HVE-50	Sterilization for the solid
Buprenorphine	Qinghai Pharmaceutical FACTORY Co., Ltd.	H10940181	reduce post-operative pain
Centrifugation tube	Biological Hope	1850-K	15ML
Depilatory cream	ZIKER BIOTECHNOLOGY	ZK-L2701	Depilation agent for laboratory animals
Forcep	RWD	F12028	Surgical instrument
Gas filter	ZHAOXIN	SA-493	Operator protection
Isoflurane	RWD	20071302	Used for anesthesia
Light source	Beijing PDV	LG-150B	Operating lamp
Micro-mosquito hemostat	FST	13011-12	Surgical instrument
Needle	BINXIONG	42180104	Surgical instrument
Needle and the 6-0 silk suture	JIAHE	SC086	Surgical instrument
Needle holder	ShangHaiJZ	J32030	Surgical instrument
Needle holder	ShangHaiJZ	J32010	Surgical instrument
Povidone-iodine swabs	SingleLady	GB26368-2010	Skin disinfection
Scissors	CNSTRONG	JYJ1030	Surgical instrument
Sterile eye cream	Shenyang Xingqi Pharmaceutical Co., Ltd.	H10940177	prevent corneal dryness
Ultra-high resolution ultrasound imaging system for small animals	VisualSonics	Vevo 2100	Echocardiographic analysis