

Materials List for:

A Simple and Efficient Method for *In Vivo* Cardiac-specific Gene Manipulation by Intramyocardial Injection in Mice

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Materials

Name	Company	Catalog Number	Comments
Equipments			
Laminar flow sterile hood	Fengshi Animal Experimental Equipment Technology Co., Ltd. (Soochow, China)	FS-CJ-2F	
Centrifuge	Thermo Scientific (Waltham, USA)	75005282	
Tissue grinding machine	Scientz Biotechnology Co., Ltd. (Ningbo, China)	Scientz-48	
High temperature/high pressure sterilizer	Hirayama (Saitama, Japan)	HVE-50	
Isoflurane vaporizer	Matrix (Orchard Park, USA)	VIP3000	
IVIS Lumina III imaging system	PerkinElmer (Waltham, USA)	CLS136334	
Precision balance	Sartorius (Göttingen, Germany)	28091873	
Instruments			
Eppendorf pipette (100 µL)	Eppendorf (Westbury, USA)	4920000059	
Eppendorf pipette (10 µL)	Eppendorf (Westbury, USA)	4920000113	
Forceps	Shanghai Medical Instruments (Group) Ltd., Corp.	JD4020	Curved tip
Hamilton syringe	Hamilton (Nevada, USA)	80501	Volume 50 µL
Micro-mosquito hemostat	F.S.T (Foster City, USA)	13011-12	Curved, tip width 1.3mm
Needle holder	Shanghai Medical Instruments (Group) Ltd., Corp. (Shanghai, China)	J32110	
Surgical scissors	F.S.T (Foster City, USA)	14002-12	
1-mL Syringe	WeiGao Group Medical Polymer Co.,Ltd. (ShangDong, China)		
Materials and reagents			
Anti-GAPDH antibody	CST (Danvers, USA)	#2118	
Anti-Luciferase antibody	Abcam (Cambridge, UK)	ab187340	
Anti-rabbit IgG	CST (Danvers, USA)	#7074	
Anti-VDR antibody	Abcam (Cambridge, UK)	ab109234	
Buprenorphine	Thermo Scientific (Waltham, USA)	PA175056	
Chlorallic hydras	LingFeng Chemical (ShangHai, China)		
Cryogenic Vials	Thermo Scientific (Waltham, USA)	375418	1.8 mL
Depilatory cream	Veet (Shanghai, China)		

Dulbecco's phosphate buffered saline	Gibco (Grand Island, USA)	14040133	
Entiodine	LiKang (Shanghai, China)	310132	
EP tube	Sarstedt (Newton, USA)	PCR001	
Filter	Millipore (Bedford, USA)		Pore size 0.2 μ m
Isoflurane	Yipin Pharmaceutical Company (Hebei, China)		
Luciferin	Promega (Madison, USA)	P1041	
Lysis buffer for western blot	Beyotime (Shanghai, China)	P0013J	Without inhibitors
Ophthalmic cream	Apex Laboratories (Melbourne, Australia))		
PBS	Gibco (Grand Island, USA)	10010023	
Protease inhibitor cocktail	Thermo Scientific (Waltham, USA)	78438	
5-0 silk suture	Shanghai Medical Instruments (Group) Ltd., Corp. (Shanghai, China)		
Steel ball	Scientz Biotechnology Co., Ltd. (Ningbo, China)		Width 1.5 mm
Syringe needle	Kindly Medical Devices Co., Ltd. (Zhejiang, China)		30 gauge
Warm mat	Warmtact Electrical Heating Technology Co., Ltd. (Guangdong, China)	NF-GNCW	