

Materials List for

Isolation, Transfection, and Long-Term Culture of Adult Mouse and Rat Cardiomyocytes

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jove.com/video/61073

Materials

Name	Company	Catalog Number	Comments
2,3-Butane Dione monoxime	Sigma-Aldrich	B-0753	
Blebbistatin	APEXBio	B1387	
Bovine serum albumin	Sigma-Aldrich	A3059	
CaCl ₂	Sigma-Aldrich	449709	
Cell culture plate	Corning Costar	3526	
Cell strainer	BD Biosciences	352360	
Cel-miR-67	Dharmacon	CN-001000-01-50	
Collagenase type2	Worthington	LS004177	
Disposable Graduated Transfer Pipettes	Fisherbrand	13-711-20	
Disposable polystyrene weighing dishes	Sigma-Aldrich	Z154881-500EA	
Dulbecco's Modified Eagle's medium	Thermo Scientific	SH30022.01	
EdU	Life Technologies	C10337	
Fetal bovine serum	Corning	35-015-CV	
Fine Point High Precision Forceps	Fisherbrand	22-327379	
Glucose	Sigma-Aldrich	G-5400	
Hemocytometer	Hausser Scientific	1483	
Heparin	Sagent Pharmaceuticals	PSLAB-018285-02	
HEPES	Sigma-Aldrich	H3375	
High Precision Straight Broad Strong Point Tweezers/Forceps	Fisherbrand	12-000-128	
Hyaluronidase	Sigma	H3506	
Insulin	Sigma-Aldrich	I0516-5ML	
K ₂ HPO ₄	Sigma-Aldrich	P-8281	
KCl	Sigma-Aldrich	746436	
Light Microscope	Nikon		
Lipofectamine RNAiMAX	Life Technologies	13778-150	

MgSO ₄	Sigma-Aldrich	M-2643	
NaCl	Sigma-Aldrich	S9888	
NaOH	Fisher Scientific	S318-500	
Natural Mouse Laminin	Invitrogen	23017-015	
Penicillin/Streptomycin	Corning	30-002-CI	
Pentobarbital	Henry Schein	24352	
Phosphate buffered saline	Life Technologies	20012-027	
Protease XIV	Sigma-Aldrich	P5147-1G	
Selenium	Sigma-Aldrich	229865+5G	
siMeis2	Dharmacon	s161030	
siRb1	Dharmacon	s128325	
Straight Blunt/SharpDissecting Scissors	Fisher Scientific	28252	
Straight Very Fine Precision Tip Forceps	Fisherbrand	16-100-120	
Taurine	Sigma-Aldrich	T0625	
Transferrin	Sigma-Aldrich	T8158-100MG	
Ultra-smooth, beveled-edge finish scissor	Fisherbrand	22-079-747	
Water Bath	Fisher Scientific	3006S	