

Materials List for:

***In Vitro* Culture of Epicardial Cells From Mouse Embryonic Heart**

Sindhu Ramesh¹, Anamika Singh^{*1}, Dasan M. Cibi¹, Derek J. Hausenloy^{1,2,3}, Manvendra K. Singh^{1,2}

¹Program in Cardiovascular and Metabolic Disorders, Duke-NUS Graduate Medical School

²National Heart Research Institute Singapore, National Heart Centre Singapore

³The Hatter Cardiovascular Institute, University College London

*These authors contributed equally

Correspondence to: Manvendra K. Singh at manvendra.singh@duke-nus.edu.sg

URL: <https://www.jove.com/video/53993>

DOI: [doi:10.3791/53993](https://doi.org/10.3791/53993)

Materials

Name	Company	Catalog Number	Comments
Dulbecco's modified Eagle's medium (DMEM)	Life tech invitrogen	11995065	
Penicillin/streptomycin solution	Life tech invitrogen	15140122	
Fetal bovine serum (FBS)	Life tech invitrogen	10500064	
Paraformaldehyde	Sigma	P6148-5KG	
Recombinant fibroblast growth factor 2 (FGF2)	PeptoTech	450-33	
Recombinant transforming growth factor beta 1 (TGF-β1)	PeptoTech	100-21	
ZO-1 antibody	Life tech invitrogen	40-2200	
α-Tubulin antibody	Sigma	T 6074	
α-smooth muscle actin (SMA) antibody	Sigma	A 2547	
Phalloidin antibody	Life tech invitrogen	A12379	
3D Collagen Culture kit	Millipore	ECM 675	
8-well chamber slide	Fisher Scientific	NNU 154534-PK	
Trizol reagent	Life Technologies	15596-018	
ViiA 7 Real-Time PCR System	Life Technologies	4453536	
Superscript First Strand Synthesis kit	Life Technologies	11904-018	