

Materials List for:

# Creation of Cardiac Tissue Exhibiting Mechanical Integration of Spheroids Using 3D Bioprinting

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URL: <https://www.jove.com/video/55438>

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## Materials

Name	Company	Catalog Number	Comments
Geltrex	Invitrogen	A1413202	
Trypsin/EDTA 0.05%	Thermo Fisher	15400054	
Defined Trypsin inhibitor 0.0125%	Thermo Fisher	R007100	
RPMI Cell Media	Invitrogen	11875-093	RPMI supplemented with B27 constitutes HIPSC-CM culture media
B-27 Supplement	Thermo Fisher	17504044	RPMI supplemented with B27 constitutes HIPSC-CM culture media
Countess Automated Cell Counter	Invitrogen	C10227	
Human cardiac fibroblasts (adult ventricular type)	Sciencell	6310	
Human umbilical vein endothelial cells	Lonza	CC-2935	
PrimeSurface ultra-low attachment 96-well U-bottom plates	Akita Sumitomo Bakelite Co.	MS-9096UZ	
Regenova Bio 3D Printer	Cyfuse Biomedical K.K.	N/A	<a href="http://www.cyfusebio.com/en/">www.cyfusebio.com/en/</a>
Trypan Blue Solution, 0.4%	Thermo Fisher	15250061	
Troponin T Antibody	Thermo Fisher	701620	
Connexin 43 (Cx43) Antibody	Chemicon	MAB3068	
ProLong Gold Antifade Mountant with DAPI	Thermo Fisher	P36935	