

Materials List for:

Processing of Human Cardiac Tissue Toward Extracellular Matrix Self-assembling Hydrogel for *In Vitro* and *In Vivo* Applications

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Materials

Name	Company	Catalog Number	Comments
Balance	DR Precisa, Dietikon, Switzerland	Precisa XR 205SM	
Blades Nr.10 Skalpell Nr.3	InstrumenteNRW, Erftstadt, Germany	SK-10-004	
Cell culture plates (6-well)	Greiner, Frickenhausen, Germany	657160	
Cryostat CM	Leica, Wetzlar, Germany	3050S	
EDTA	Carl Roth, Karlsruhe, Germany	8043.3	
Eppendorf reaction tubes (1.5 or 2 ml)	Greiner, Frickenhausen, Germany	616201, 623201	
Falcon 15ml, 50ml	Greiner, Frickenhausen, Germany	188271, 227270	
Fetal Bovine Serum (FBS)	Biochrome, Berlin, Germany	S 0115	
Freeze Dry System	Labconco, Kansas City, USA	7670520	
Freezer (-80°C)	Thermo Scientific, Waltham, MA, USA	Forma 900 Series	
HCl	Carl Roth, Karlsruhe, Germany	281.1	
Microtome Blades Type 819	Leica, Wetzlar, Germany	14035838925	
Minilys Homogeniser	PEQLAB Biotechnologie GmbH, Erlangen, Germany	91-PCSM	
NaOH	Carl Roth, Karlsruhe, Germany	K021.1	
Nystatin	PAN Biotech, Aidenbach, Germany	P06-07800	
PBS	Thermo Scientific, Waltham, MA, USA	14190-094	
Penicillin/streptomycin	Life Technologies, Darmstadt, Germany	15140122	
Pepsin	Sigma-Aldrich, Taufkirchen, Germany	P6887-1G	
Precellys Keramik-Kit 1.4 mm	Peqlab Biotechnologie, Erlangen, Germany	91-PCS-CK14	
Rotamax 120 Plate shaker	Heidolph, Schwabach, Germany	544-41200-00	
SDS	Carl Roth, Karlsruhe, Germany	CN30.3	
Stereo microscope	Leica, Wetzlar, Germany	M125	
Steriflip-GP, 0,22 µm	Merck Millipore, Darmstadt, Germany	SCGP00525	

Stuart analogue rocker & roller mixers	Sigma-Aldrich, Taufkirchen, Germany	Z675113-1EA	
Tissue Tek O.C.T compound	Hartenstein, Würzburg, Germany	TTEK	
Transfusion set 200µm	Sarstedt, Nümbrecht, Germany	798.200.500	
TRIS	Carl Roth, Karlsruhe, Germany	5429.3	
vedena Skalpellgriff Fig. 3, Standard, 125 mm	Medical Highlights, Rohrdorf, Germany	CV102-003	
Vortex-Genie2	Scientific Industry, New York, USA	SI-0256	