

Materials List for

Fibroblast Derived Human Engineered Connective Tissue for Screening Applications

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Citation

Santos, G.L., Meyer, T., Tiburcy, M., DeGrave, A., Zimmermann, W.H., Lutz, S. Fibroblast Derived Human Engineered Connective Tissue for Screening Applications. *J. Vis. Exp.* (174), e62700, doi:10.3791/62700 (2021).

Date Published

August 20, 2021

DOI

10.3791/62700

URL

jove.com/video/62700

Materials

Name	Company	Catalog Number	Comments
Cell culture reagents:			
Accutase Solution	Merk Millipore	SCR005	
Dissociation reagent – TrypLE Express	Gibco	12604013	
Dulbecco's Modified Eagle Medium (DMEM) powder, high glucose	Gibco	12100061	
Dulbecco's phosphate buffered saline (DPBS), pH 7.2, -Ca ²⁺ , -Mg ²⁺	Gibco	14190144	
FGM-2 Fibroblast Growth Medium-2 BulletKit	Lonza	CC-3132	
FBM Fibroblast Growth Basal Medium	Lonza	CC-3131	
FGM-2 Fibroblast Growth Medium-2 SingleQuots, Supplements and Growth Factors	Lonza	CC-4126	
Fibroblast Growth Medium 3 KIT	PromoCell	C-23130	
Fibroblast Basal Medium 3	PromoCell	C-23230	
Growth Medium 3 SupplementPack	PromoCell	C-39350	
Penicillin (10000 U/mL)/ Streptomycin (10000 µL/mL)	Gibco	15140122	
Sodium hydroxide solution (NaOH) 1.0 N	Sigma-Aldrich	S2770-100ML	
Cell sources:			
Normal human cardiac fibroblasts from the ventricle (NHCF-V)	Lonza	CC-2904	
Human Cardiac Fibroblasts (HCF-c)	PromoCell	C-12375	
Human Cardiac Fibroblasts (HCF-p)	PromoCell	C-12377	
Primary human foreskin fibroblasts-1 (HFF-1)	ATCC	SCRC- 1041	
Collagen sources:			

Collagen Type I (bovine) in 0.01 M HCl	LLC Collagen Solutions	FS22024	6-7 mg/mL
Collagen Type I (rat tail) in 0.02 M HCl	Corning	354236	~4 mg/mL
Drugs:			
Latrunculin-A (Lat-A)	Enzo Life Sciences	BML-T119-0100	
Plastic ware:			
Cell culture plastic ware	Sarstedt and Starlab		
Mesh cell strainer (Nylon, pore size 40 µm)	Falcon	352340	
myrPlate-uniform	myriamed GmbH	TM5 med	
Serological pipettes wide opening, sterile (10 mL)	Corning	07-200-619	
Specific instruments:			
Bi-telecentric CORE lens for 1/2" detectors	OptoEngineering	TCCR12096	
Area scan camera Basler ace acA4024	Basler	107404	