

Materials List for:

# Decellularization and Recellularization Methodology for Human Saphenous Veins

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## Materials

Name	Company	Catalog Number	Comments
4-Port Cap	CPLabSafety	WF-GL45-4Kit	
Acetyl salicylic acid	Sigma Aldrich	A5376	
Anti-Anti	Life Technologies	15240-062	
B-FGF	Lonza	cc-4113B	
Blood Glucose monitoring system - Free style Lite	Abbott	70808-70	
D-Glucose	Sigma Aldrich	G8769	
DNase-I	Worthington	LS0020007	
Dulbecco's PBS with CaCl <sub>2</sub> and MgCl <sub>2</sub>	Sigma Aldrich	D8662	
EDTA disodium salt dihydrate	AlfaAesar	A15161.OB	
EGM-2 Growth Factors Kit	Lonza	CC-4176	
EG-VEGF	Peprtech	100-44	
Glass bottle 250ml	VWR	2151593	Any bottle with GL45 cap can be used
Glass bottle 1L	VWR	2151595	Any bottle with GL45 cap can be used
Glass jar 500ml with bottom hose outlet	Kimble Chase Life Science	14607	
Heparin	Leo	387107	
Heparin Coated Vacutainer Tubes	Becton Dickinson	368480	
Human AB Serum	Sigma Aldrich	H3667	
L-Glutamine	Life Technologies	25030-024	
Luer Female with 1/8" ID Barb	Oina	LF-2PP-QC	For 3X5mm silicon tube
Luer Female with 3/32" ID Barb	Oina	LF-1.5PP-QC	For 2X4mm silicon tube
Luer Male with 3/32" ID Barb	Oina	LM-1.5PP-QC	For 2X4mm silicon tube
Luer Male with 1/8" ID Barb	Oina	LM-2PP-QC	For 3X5mm silicon tube
Luer Male with 5/32" ID Barb	Cole Parmer	EW-45518-06	For 5X8mm silicon tube
MCDB 131	Life Technologies	10372-019	
Per acetic acid	Sigma Aldrich	433241	
Peristaltic pump I	Masterflex	7524-45	For Decellularization setup 1 and 2. The cassette used is 7519-75
Peristaltic pump II	Ismatec	ISM941	For Decellularization setup 3 and Recellularization bioreactor.
Potassium chloride	Sigma Aldrich	P5405	
Potassium hydrogen phosphate	Sigma Aldrich	P9791	

Reducing Connector 1.5mmX2.5mm	Biotech	ISM569A	
Shaker	Ika	KS4000 i control	
Sodium Azide	Sigma Aldrich	71290	
Sodium chloride	Sigma Aldrich	13423	
Sodium hydrogen phosphate	Merck	71640-M	
Steen solution	Xvivo	19004	
Suture	Agthos	14817	
Tri-n-butyl Phosphate	AlfaAesar	A16084.AU	
Triton-X-100	AlfaAesar	A16046.OF	
Tube 60ml with flat base	Sarstedt	60596	
Tube A	VWR	2280706	Cut 3 pieces, each of 25 cm length for decellularization perfusion steup 1 and 2
Tube B	VWR	2280706	Cut 1 piece of 35 cm length for decellularization perfusion steup
Tube C	VWR	2280706	Cut 5 pieces, each of 75 cm length for decellularization perfusion steups 1-3
Tube D	VWR	2280706	Cut 1 piece of 90 cm length for decellularization perfusion steup 2
Tube E	VWR	2280706	Cut 1 piece of 20 cm length for recellularization perfusion steup
Tube F	VWR	2280713	Cut 2 pieces, each of 15 cm length for decellularization perfusion steup 1 and 2
Tube G	VWR	2280713	Cut 2 pieces, each of 60 cm length for decellularization perfusion steup 1 and 2
Tube H	VWR	2280703	Cut 1 piece of 15 cm length for recellularization perfusion steup
Tube I	VWR	2280703	Cut 1 piece of 20 cm length for recellularization perfusion steup
Tube J	VWR	2280703	Cut 1 piece of 25 cm length for recellularization perfusion steup
Tube K	VWR	2280703	Cut 2 pieces, each of 35 cm length for recellularization perfusion steup