

Materials List for:

Assessment of the Anticoagulant and Anti-inflammatory Properties of Endothelial Cells Using 3D Cell Culture and Non-anticoagulated Whole Blood

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Materials

Name	Company	Catalog Number	Comments
PAEC			Isolated from pig aorta in our Lab
Microcarrier beads (Biosilon)	Thermo Fisher Scientific	160-250	
Collagen I, Bovine	Gibco	A10644-01	
DMEM	Gibco	21885-025	
Medium 199	Sigma	M7528	
RPMI	Gibco	32404-014	
Neutral tubes	Sarstedt	02.1726.001	
Polypropylene tubes	Simport	T406-2A	
Stirrer flasks	Tecnomara		
Biological stirrer	Brouwer	MCS-104S	
Rat anti CD31	R&D Systems	MAB33871	Dilution 1:100
Goat anti-rat IgG-Cy3	Jackson Immuno Research	112-166-003	Dilution 1:500
Goat anti VE-cadherin	Santa Cruz	sc-6458	Dilution 1:100
Rabbit anti vWF	DAKO	A0082	Dilution 1:100
Dk anti Gt IgG – Alexa 488	Molecular Probes	A11055	Dilution 1:500
Goat anti Rabbit - FITC	Southern Biotech	4050-02	Dilution 1:500
DAPI	Sigma	32670-25MG-F	Dilution 1 µg/mL
0.05% Trypsin-EDTA	Gibco	25300-054	
FBS	Gibco	10270-106	Concentration: 10% in cell culture medium
Adapter	Sarstedt	14.1205	
Confocal microscope	Carl Zeiss	LSM 710	
Image analysis software	Image J		Available for free at: https://imagej.net
Endothelial Cell Growth Medium SupplementMix	PromoCell	C-39216	2 mL in 500 mL of DMEM
Penicillin Streptomycin	Gibco	15140-122	Concentration: 1% in cell culture medium
L-Glutamine	Gibco	25030-024	Concentration: 1% in cell culture medium
Heparinun natricum	Drossa Pharm AG		Stock concentration: 5000 U.I./ mL
Chamberslides	Bioswisstec AG	30108	

CaCl ₂ x 2H ₂ O	Merck	2382.0500	
MgCl ₂ x6 H ₂ O	Merck	1.5833.1000	
Tween 20	Axon Lab AG	9005-64-5	
Bovine Serum Albumin (BSA)	Sigma	A7030	
Glycergel mounting medium	Dako	C0563	