

Materials List for:

A Novel *In vitro* Model for Studying the Interactions Between Human Whole Blood and Endothelium

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Materials

Name	Company	Catalog Number	Comments
Human Umbilical Vein Endothelial Cells (HUVEC)	PromoCell	C-12200	Any other type of primary human endothelial cell may be used.
Endothelial Cell Growth Medium MV (ECGM MV)	PromoCell	C-22120	
Gelatin	Sigma-Aldrich	G-2500	Prepare 1% gelatin in PBS, incubate 5 ml in a T75 for 15 min and remove before culturing cells.
TAT ELISA	Enzyme Research Lab.	TAT-EIA-C	
Mouse anti-human CD16	DAKO	F7011	Dilution 1:100
Goat anti-mouse Alexa 488	Molecular Probes	A11001	Dilution 1:500
Phalloidin-Texas Red	Molecular Probes	A22287	Dilution 1:200
DAPI	Molecular Probes	D1306	Dilution 10 µg/ml
EDTA	Sigma	E-6758	
0.25% Trypsin-EDTA	Gibco Life Technologies	25200-056	
Fetal Bovine Serum (FBS)	Gibco Life Technologies	10437	
1 well cell culture slides	BD Falcon	354101	
Blood Chambers	NA	NA	Blood Chamber may be manufactured in PMMA or any other plastic able to bind CHS
Clamps	Office Depot	2052204	
Corline Heparin Surface (CHS)	Corline Systems AB	945-00	
Hypodermic needle	Terumo	NN-1850R	Size: 18 G x 5 mm
Unfractionated Heparin (UFH)	Leo Pharma	585679	
K ₃ EDTA	Alfa Aesar	1709958	Prepare a 0.34 M stock solution in milliQ H ₂ O
PFA	Sigma-Aldrich	P-6148	
Fluorescence microscope	Nikon	80i	
Light microscope	Nikon	TS100	
Image analysis software	Broad Institute	CellProfiler	Available for free at www.cellprofiler.org