

Materials List for:

Simultaneous Study of the Recruitment of Monocyte Subpopulations Under Flow In Vitro

Patricia Ropraz¹, Beat A. Imhof², Thomas Matthes¹, Bernhard Wehrle-Haller³, Adama Sidibé³

¹Hematology service, Centre Médical Universitaire (CMU), Medical faculty, University of Geneva

²Department of Pathology and Immunology, Centre Médical Universitaire (CMU), Medical faculty, University of Geneva

³Department of Cell Physiology and Metabolism, Centre Médical Universitaire (CMU), Medical faculty, University of Geneva

Correspondence to: Adama Sidibé at Adama.Sidibe@unige.ch

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Materials

Name	Company	Catalog Number	Comments
Tissue Culture Flasks 75 cm ²	TPP	90076	Routine culture of isolated HUVEC
μ-Slide VI 0.4	IBIDI	80606	
Centrifuge Tubes 15 mL	TPP	191015	
Centrifuge Tubes 50 mL	TPP	191050	
Collagen G	Biochrom	L 7213	For coating of cell culture flasks
Gelatin	Sigma-Aldrich	1393	For coating of cell culture flasks
Dulbecco's Phosphate Buffered Saline (without MgCl ₂ and CaCl ₂)	Sigma-Aldrich	D8537	
Dulbecco's Phosphate Buffered Saline (with MgCl ₂ and CaCl ₂)	Sigma-Aldrich	D8662	
RPML-1640 Medium	Sigma-Aldrich	R8758	
3-Way Stopcocks	BIO-RAD	7328103	
penicillin 10,000 μ/mL streptomycin 10,000 μg/mL fungizone 25 μ/mL	AMIMED	4-02F00-H	
Collagenase type 1	Worthington	LS004216	
Medium 199 1x avec Earle's salts, L-Glutamine, 25 mM Hepes	GIBCO	22340020	
Bovine Albumin Fraction V	ThermoFisher	15260037	
Endothelial Cell Growth Supplement, 150 mg	Millipore	02-102	
Heparin Sodium	Sigma-Aldrich	H3149RT	
Hydrocortisone	Sigma-Aldrich	H6909	
L-Ascorbic acid	Sigma-Aldrich	A 4544	
EDTA disodium salt dihydrate C10H14N2Na2O8 · 2H ₂ O	APPLICHEM	A2937.0500	
CD144 (VE-Cadherin), human recombinant clone: REA199, FITC	Miltenyi Biotec	130-100-713	AB_2655150
CD31-PE antibody, human recombinant clone: REA730, PE	Miltenyi Biotec	130-110-807	AB_2657280
Anti-Podoplanin-APC, human recombinant clone: REA446, APC	Miltenyi Biotec	130-107-016	AB_2653263
BD Accuri C6 Plus	BD Bioscience		
μ-Slide I Luer	IBIDI	80176	
CMFDA (5-chloromethylfluorescein diacetate)	ThermoFisher	C2925	

Recombinant human TNF α	Peprtech	300-01A	
Recombinant human VEGFA	Peprtech	100-20	
NE-1000 Programmable Syringe Pump	KF Technology	NE-1000	
Ficoll Paque Plus	GE Healthcare	17-1440-02	
Anti-human CD14-PE, human recombinant clone: REA599, PE	Miltenyi Biotech	130-110-519	AB_2655051
Pan Monocyte Isolation Kit, human	Miltenyi Biotech	130-096-537	
Anti-human CD16-PE, human recombinant clone: REA423, PE	Miltenyi Biotech	130-106-762	AB_2655403
LS columns	Miltenyi Biotech	130-042-401	
QuadroMACS Separator	Miltenyi Biotech	130-090-976	
Hoechst 33342, Trihydrochloride, Trihydrate	ThermoFisher	H1399	
Silicone tubing	IBIDI	10841	
Elbow Luer Connector	IBIDI	10802	
Female Luer Lock Coupler	IBIDI	10823	
Luer Lock Connector Female	IBIDI	10825	
In-line Luer Injection Port	IBIDI	10820	
Ar1 confocal microscope	Nikon		
40x objective	Nikon	40x 0.6 CFI ELWD S Plane Fluor WD:3.6-2.8mm correction 0-2mm	
ImageJ Software	NIH		