

Materials List for:

Laminar Flow-based Assays to Investigate Leukocyte Recruitment on Cultured Vascular Cells and Adherent Platelets

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URL: <https://www.jove.com/video/57009>

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Materials

Name	Company	Catalog Number	Comments
Inverted fluorescence microscope e.g. EVOS-FL	Life Technologies Europe bv		
Pump e.g. model: 210-CE	world precision instruments	78-9210W	
Falcon 35 mm TC-Treated Easy-Grip Style Cell Culture Dish	corning	353001	
50 mL syringe	Becton Dickinson	300137	
Silicone tubing	VWR	228-0700	
Elbow Luer Connector Male	Ibidi	10802	
Female Luer Lock Coupler	Ibidi	10823	
Flow chamber	University Hospital RWTH Aachen		Patent DE10328277A1: Baltus T, Dautzenberg R, Weber CPD. Strömungskammer zur in-vitro-Untersuchung von physiologischen Vorgängen an Zelloberflächen. 2005.
Ibidi sticky slide VI 0.4	Ibidi	80608	
Coverslips for sticky slides	Ibidi	10812	
Collagen Type I, rat tail	Life Technologies Europe bv	A1048301	
Recombinant Human TNF- α	Peptotech	300-01A	
Thrombin Receptor Activator for Peptide 6 (TRAP - 6)	Anaspec / Eurogentec	24191	
SYTO 13 green fluorescent nucleic acid stain	Life Technologies Europe bv	S7575	
Hanks' Balanced Salt Solution 10x	Sigma-Aldrich Chemie	H4641	
HEPES buffer solution 1M, liquid	Life Technologies Europe bv	15630049	
BUMINATE Albumin, 25%	Baxter	60010	
Water for injection	B. Braun	3624315	
Calcium chloride dihydrate	Merck	102382	
Magnesium chloride hexahydrate	Sigma-Aldrich Chemie	M2670	
Apyrase	Sigma-Aldrich Chemie	A6535	
Primary Human Umbilical Vein Endothelial Cells (HUVEC)	Promocell GmbH	C-12203	
Endothelial Cell Growth Medium (Ready-to-use)	Promocell GmbH	C-22010	
Primary Human Aortic Endothelial Cells (HAoEC)	ATCC	PCS-100-011	
Vascular Cell Basal Medium	ATCC	PCS-100-030	

Endothelial Cell Growth Kit-BBE	ATCC	PCS-100-040	
Primary Human Aortic Smooth Muscle Cells (HAoSMC)	ATCC	PCS-100-012	
Vascular Smooth Muscle Cell Growth Kit	ATCC	PCS-100-042	
Human endothelial cell line, EA.hy926	ATCC	CRL-2922	
Dulbecco's Modified Eagle's Medium (DMEM)	ATCC	30-2002	
Mouse endothelial cell line, SV 40 transformed (SVEC4-10)	ATCC	CRL-2181	
Human Monocytic cell line, THP-1	DSMZ	ACC-16	
RPMI 1640 with Ultra-Glutamine	Lonza	BE12-702F/U1	
Mouse monocyte/macrophage RAW264.7	ATCC	TIB-71	
Dulbecco's Modified Eagle's Medium (DMEM), high glucose	Gibco	11965092	
Accutase	Promocell GmbH	C-41310	
Percoll	Sigma-Aldrich Chemie	P1644	
Histopaque 1119	Sigma-Aldrich Chemie	11191	
10x PBS	Life Technologies Europe bv	14200075	
BD Vacutainer Plastic Blood Collection Tubes with Sodium Heparin	Becton Dickinson	367876	
VACUETTE TUBE 9 ml 9NC Coagulation sodium citrate 3.2%	Greiner Bio	455322	
HCl/EtOH mixture (1.2 mol/L HCl and 50% ethanol) in water	Sigma-Aldrich Chemie	Prepare by mixing 0.3L HCl (4 mol/L) with 0.7L of 70% v/v ethanol in a fume hood	