

Materials List for:

Real-time Imaging of Endothelial Cell-cell Junctions During Neutrophil Transmigration Under Physiological Flow

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Materials

Name	Company	Catalog Number	Comments
μ-Slide VI	IBIDI	80606	Flow-chamber
0.45 μm filter	Whatman/GE Lifesciences	10462100	
1 ml Syringe	BD Plastipak	300013	
20 ml Syringe	BD Discardit II	366296	
21 G Needle	BD Microlance	301155	
Albumin	Sanquin	15522644	
Ammonium chloride (NH ₄ Cl)	Merck	1009245000	
Calcium chloride (CaCl ₂)	Sigma-Aldrich	449709	
EBM-2 Basal medium + EGM-2 SingleQuot Kit Suppl. & Growth Factors	Lonza	CC-3156 + CC-4176	media
EDTA (Titrplex III)	Merck	1370041000	
Falcon tubes	Corning Life Sciences	352096	
Fibronectin	Sigma-Aldrich	F1141-2MG	FN
Glucose	Sigma-Aldrich	G7528	
HEPES	Sigma-Aldrich	H3375	
In-line Luer injection port	IBIDI	10820	
Magnesium sulfate heptahydrate (MgSO ₄ •7H ₂ O)	Merck	105886	
PECAM-1-ALEXA-647	BD Pharmingen	561654	clone WM59
Percoll	GE Healthcare Life Sciences	17-0891-09	
Phosphate Buffered Saline	Fresenius Kabi Nederland	M090001/01NL	PBS
Potassium chloride (KCl)	Sigma-Aldrich	P9541	
Potassium hydrogen carbonate (KHCO ₃)	Merck	1048540500	
Potassium phosphate dibasic trihydrate (K ₂ HPO ₄)	Sigma-Aldrich	P5504	
Silicone Tygon 3350 tubing	VWR	228-4331	tubing
Sodium chloride (NaCl)	Calbiochem (Millipore)	567441	
Syringe pump	Harvard Apparatus	model number 55-5920	
TNF-α	Peptotech	300-01A	tumor necrosis factor
Trisodium citrate	Merck	1.06447.5000	TNC
Vacuettes	Greiner, Germany	980044	
VE-Cadherin-FITC	BD Pharmingen	560411	clone 55-7H1

Zeiss LSM510 META	Carl Zeiss MicroImaging, Jena, Germany		
Zen Software 2008	Carl Zeiss MicroImaging, Jena, Germany		