

Materials List for:

Live-cell Imaging of Platelet Degranulation and Secretion Under Flow

Arjan D. Barendrecht^{*1}, Johan J. F. Verhoef^{*2}, Silvia Pignatelli¹, Gerard Pasterkamp¹, Harry F. G. Heijnen¹, Coen Maas¹

¹Department of Clinical Chemistry and Haematology, University Medical Center Utrecht

²Department of Pharmaceutics, Utrecht Institute for Pharmaceutical Sciences, Utrecht University

*These authors contributed equally

Correspondence to: Coen Maas at cmaas4@umcutrecht.nl

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Materials

Name	Company	Catalog Number	Comments
4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid (HEPES)	VWR	441476L	
Na ₂ HPO ₄	Sigma	S-0876	
NaCl	Sigma	31434	
KCl	Sigma	31248	
MgSO ₄	Merck KGaA	1.05886	
D-glucose	Merck KGaA	1.04074	
Prostacyclin	Cayman Chemical	18220	
Tri-sodium citrate	Merck KGaA	1.06448	
Citric acid	Merck KGaA	1.00244	
Cover glasses	Menzel-Gläser	BBAD02400500#A	24 x 50 mm, No. 1 = 0.13 - 0.16 mm thickness.
Chromosulfuric acid (2% CrO ₃)	Riedel de Haen	07404	CAS [65272-70-0].
Von Willebrand factor (VWF)	in-house purified		
Fibrinogen	Enzyme Research Laboratories	FIB3L	
4 well dish, non-treated	Thermo Scientific	267061	
Human Serum Albumin Fraction V	Haem Technologies Inc.	823022	
Blood collection tubes, 9 mL, 9NC Coagulation Sodium Citrate 3.2%	Greiner Bio-One	455322	
Cell analyser	Abbott Diagnostics	CELL-DYN hematology analyzer	
Paraformaldehyde	Sigma	30525-89-4	
Syringe pump	Harvard Apparatus, Holliston, MA	Harvard apparatus 22	
10 mL syringe with 14.5 mm diameter	BD biosciences	305959	Luer-Lok syringe
Anti-CD63-biotin	Abcam	AB134331	
Anti-CD62P-biotin	R&D Systems	Dy137	
4',6-Diamidino-2-phenylindole dihydrochloride (DAPI)	Polysciences Inc.	9224	
Streptavidin, Alexa Fluor 488 conjugate	Thermo Scientific	S11223	
Immersion oil	Zeiss	444963-0000-000	
Detergent solution	Unilever, Biotex		
Glycine	Sigma	56-40-6	
Polyvinyl alcohol	Sigma	9002-89-5	Mowiol 40-88.

Tris hydrochloride	Sigma	1185-53-1	
1,4-Diazabicyclo[2.2.2]octane (DABCO)	Sigma	280-57-9	
Sheep Anti-hVWF pAb	Abcam	AB9378	
Alexa fluor 488-NHS	Thermo Scientific	A20000	
Glycerol	Sigma-Aldrich	15523-1L-R	
Parafinn film	Bemis	PM-996	4 in. x 125 ft. Roll.
Silicone sheet non-reinforced	Nagor	NA 500-1	200 mm x 150 mm x 0.125 mm.
Customized cut silicone sheet with perfusion and vacuum channels	in-house made		Made of Silicone sheet non-reinforced (Nagor, NA 500-1)
1.5 mL tubes	Eppendorf AG	T9661-1000AE	
Fluorescent microscope	Zeiss Observer Z1		Equiped with LED excitation lights.
Microscope software	Zeiss ZEN 2	blue edition	
18 G needle (18 G x 1 1/2")	BD biosciences	305196	
NaCl	Riedel de Haen	31248375	
Tris	Roche	10708976	
Plastic pasteur pipet	VWR	612-1681	7 mL non sterile, graduated up to 3 mL.
Silicone tubing	VWR	228-0656	Inner diameter. x Outer diameter x Wall thickness = 1.02 x 2.16 x 0.57 mm.
Microscope slides	Thermo Scientific	ABAA000001##12E	76 x 26 x 1 mm, ground edges 45 °, frosted end.