

Materials List for:

Fabricating Optical-quality Glass Surfaces to Study Macrophage Fusion

James J. Faust^{1,2}, Wayne Christenson^{3,4,5}, Kyle Doudrick⁶, John Heddleston⁷, Teng-Leong Chew⁷, Marko Lampe⁸, Arnat Balabiyev^{1,2}, Robert Ros^{3,4,5}, Tatiana P. Ugarova^{1,2}

¹Center for Metabolic and Vascular Biology, Mayo Clinic

²Molecular and Cellular Biosciences, School of Life Sciences, Arizona State University

³Department of Physics, Arizona State University

⁴Center for Biological Physics, Arizona State University

⁵Biodesign Institute, Arizona State University

⁶Department of Civil and Environmental Engineering and Earth Sciences, University of Notre Dame

⁷Advanced Imaging Center, HHMI Janelia Research Campus

⁸Advanced Light Microscopy Facility, European Molecular Biology Laboratory

Correspondence to: James J. Faust at james.j.faust@vanderbilt.edu

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Materials

Name	Company	Catalog Number	Comments
Plasma cleaner	Harrick Plasma	PCD-32G	
Finder grid	Electron microscopy sciences	G400F1-Au	any gold TEM grid will work
Cover glass (22x22 mm)	Thor Labs	CG15CH	use only high stringency cover glass
Paraffin wax	Sigma Aldrich	17310	
Petrolatum	Sigma Aldrich	16415	must be α -tocopherol-free if substituted
Oleamide	Sigma Aldrich	O2136	prepare fresh
Isopropanol	Sigma Aldrich	278475	
Toluene	Sigma Aldrich	244511	
Acetone	VWR International	BDH1101	
Ethanol	Electron microscopy sciences	15050	use low dissolved solids ethanol
Hydrochloric acid	Fischer Scientific	A144C-212	use to acid wash cover glass
Slyguard 184	VWR International	102092-312	mix in a 1:10 ratio and cure at 50 °C for 4 h
35 mm petri dish	Santa Cruz Biotech	sc-351864	
Dumont no. 5 forceps	Electron microscopy sciences	72705	ideal for removing TEM grid in section 3.5
FBS	Atlanta Biological	S11550	
DMEM:F12	Corning	10-092	contains 15 mM HEPES
Pen/Strept	Corning	30-002-CI	
HBSS	Corning	21-023	
BSA solution	Sigma Aldrich	A9576	use at 0.1% in HBSS to wash non-adherent macrophages
IL-4	Genscript	Z02996	aliquot at 10 μ g/mL and store at -20 °C
C57BL/6J	Jackson Laboratory	000664	use for fixed samples or techniques that do not require contrast agents
eGFP-LifeAct mice	n/a	n/a	use for live fluorescence imaging

Kimwipe	Kimberly Clark	34155	use to polish hydrocarbon adsorbed surfaces
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