

Materials List for:

Creating Adhesive and Soluble Gradients for Imaging Cell Migration with Fluorescence Microscopy

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Materials

Name	Company	Catalog Number	Comments
Coverglass staining outfits	Thomas Scientific	8542 E40	Coverslip rack
Oven	Binder		ED 53 series
Silicon wafer	Silicon Quest	708-007	Boron doped <100> wafer, 4" diameter, 500 µm, single side polished
GM1070 SU-8 photoresist	Gersteltec Sarl		
SU-8 developer	Gersteltec Sarl		
Sylgard 184 curing agent	Dow Corning		
Sylgard 184 elastomer prepolymer	Dow Corning		
PLL-PEG-biotin (20%)	SuSos AG	PLL(20)-g[3.5]-PEG(2)/PEG(3.4)-Biotin (20%)	1 mg/ml in PBS
Fluorescein	Sigma	46955	1 mM in PBS
Streptavidin-AlexaFluor350	Invitrogen	S-11249	1 mg/ml in PBS
Biotin-4-fluorescein	Invitrogen	B-1370	0.03 µg/µl in PBS
Biotin-RGD	GenScript	SC1208	0.03 mg/ml in PBS
Syto 64 Red	Invitrogen	S-11346	1 µM in PBS
Sticky slide chemotaxis 3D	Ibidi	80328	
200 µl Greiner yellow bevelled tip	Greiner Bio-One	739261	
Vaseline	Sigma	16415	
Paraffin wax, mp 55-57 °C	Sigma	327204	
Nano eNabler 10 µm cantilever	BioForce	SPT-S-C-10s	
Image J software	National Institute of Health		rsbweb.nih.gov/ij/download.html
Manual Tracking plugin	Fabrice Cordelières		rsb.info.nih.gov/ij/plugins/track/track.html
Chemotaxis and Migration Tool	Ibidi GmbH		www.ibidi.com/applications/ap_chemotaxis.html