

Materials List for:

Using Extraordinary Optical Transmission to Quantify Cardiac Biomarkers in Human Serum

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Materials

Name	Company	Catalog Number	Comments
Electron Beam Lithography setup	Elionix ELS 700		
o-Xylene	Sigma Aldrich	95662	
EB resist	Sumitomo	NEB-22A2	
Developer reagent	Shipley Company	Microposit MF 321	
Electroplating machine	Technotrans AG RD 50		
Photoresist stripper	Rohm and Haas Electronic Materials LLC	Microposit Remover 1165	
Etching System	Trion Phantom		
Heptadecafluoro-1,1,2,2-tetrahydrodecyl)trichlorosilane	Gelest (PA, USA)	78560-44-8	
SAM coater	Sorona Inc.	AVC 150M	
Photo-curable NIL resist	micro resist technology GmbH	mr-UVCur21-300nm	
Light Curing System	Dymax	Model 2000 Flood	
E-beam deposition machine	Denton Explorer		
UV-visible spectrometer	Ocean optic HR2000+ (Dunedin, FL, USA)		
Standard refractive index liquids	Cargill Inc (Cedar Grove, USA)	18032	
Plotting software	Origin	Origin Pro 9	
10-carboxy-1-decanethiol	Dojindo Laboratories (Japan)	C385-10	
1-octanethiol	Sigma-Aldrich, MO, USA	471386	
Sulfo-N-hydroxysuccinimide and 1-ethyl-3-(3-dimethylaminopropyl) carbodiimide	BioRad (CA, USA)	1762410	
Anti-troponin antibody 560	Hyttest (Finland)	4T21	
Ethanolamine-HCl solution	BioRad (CA, USA)	1762450	
Surface Plasmon Resonance setup	BioRad XPR36 (Haifa, Israel)		
Multiplexed SPR chip	BioRad	GLC	
Human cTnI standard	Phoenix Pharmaceuticals	EK -311-05	
Glycine-HCl	BioRad (CA, USA)	1762221	