

Materials List for:

The Microfluidic Probe: Operation and Use for Localized Surface Processing

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Materials

Name	Company	Catalog Number	Comments
microfluidic connectors	Upchurch Scientific	Micro- and Nano-tight fittings and sleeves	
2-component manual dispenser	Conprotec Inc.	DM400	To dispense and mix PDMS mixture
LabVIEW	National Instruments	Version 8.0	
Mechanical Convection Oven	VWR international	1330FM	
Glass syringes	Hamilton Co		
Capillary tubing	Polymicro Technologies		
Plasma Chamber	Tegal Corporation	Plasmaline 415	
Inverted Microscope	Nikon Instruments	TE2000-E	
Syringe pumps	Cetoni	neMESYS	
Sylgard 184	Ellsworth Adhesives	184 Sil Elast Kit	
Camera	Photometrics	QuantEM 512SC	
Microscope stage			
Microfluidic probe holder goniometers	Melles Griot	07GON504	
Linear stage	Applied Scientific Instrumentation	LS-50	For z-control of the MFP
Manual linear stage	Newport Corp.	443-4 Series	For x- and y- axis control of the MFP
Microscope stage	Applied Scientific Instrumentation	PZ-2000	With x-, y- and z- control