

Materials List for:

Microfluidic Platform with Multiplexed Electronic Detection for Spatial Tracking of Particles

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Materials

Name	Company	Catalog Number	Comments
98% Sulfuric Acid	BDH Chemicals	BDH3074-3.8LP	
30% Hydrogen Peroxide	BDH Chemicals	BDH7690-3	
Trichlorosilane	Aldrich Chemistry	235725-100G	
NR9-1500PY Negative Photoresist	Furuttex		
Resist Developer RD6	Furuttex		
Acetone	BDH Chemicals	BDH1101-4LP	
SU-8 2015 Negative Photoresist	Microchem	SU8-2015	
SU-8 Developer	Microchem	Y010200	
Polydimethylsiloxane (PDMS)	Dow Corning	3097358-1004	Sylgard 184 Silicone Elastomer Kit
Isopropyl Alcohol	BDH Chemicals	BDH1133-4LP	
RPMI 1640	Corning Cellgro	10-040-CV	
Fetal Bovine Serum (FBS)	Seradigm	1500-050	
Penicillin-Streptomycin	Amresco	K952-100ML	
Phosphate-Buffered Saline (PBS)	Corning Cellgro	21-040-CM	
PHD 22/2000 Syringe Pump	Harvard Apparatus	70-2001	
HF2LI Lock-in Amplifier	Zurich Instrument		
HF2TA Current Amplifier	Zurich Instrument		
Eclipse Ti-U Microscope	Nikon Corporation		
DS-Fi2 High-Definition Color Camera	Nikon Corporation		
v7.3 High-speed Camera	Phantom		
PCIe-6361 Data Acquisition Board	National Instruments	781050-01	
BNC-2120 Shielded Connector Block	National Instruments	777960-01	
PX-250 Plasma Treatment System	Nordson MARCH		