

Materials List for:

# Implementation of a Reference Interferometer for Nanodetection

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## Materials

Name	Company	Catalog Number	Comments
Polystyrene Microspheres	PolyScience		
Dulbecco's Phosphate Buffered Saline (DPBS)	Life Technologies	14190	
Piezoelectric Nanopositioner System	Physik Instrumente	P-611.3S	
Balanced Photodetector	Thorlabs	PDB120A	
Photodetector	Newport	1801-FC	
3 dB Fiber Optical Directional Coupler	Thorlabs	FC632-50B	
10 dB Fiber Optical Directional Coupler	Thorlabs	FC632-90B	
Drop-In Polarization Controller	General Photonics	PLC-003-S-25	
Function Generator	Hewlett-Packard	33120A	
Fusion Splicer	Ericsson	FSU-925	
High-Speed Oscilloscope	Agilent	DS09404A	
Motorized Translation Stage with Controller	Thorlabs	MTS25-Z8E	
Single Mode Optical Fiber, 600-800 nm, Ø125 µm Cladding	Thorlabs	SM600	
Real-Time Electrical Spectrum Analyzer	Tektronix	RSA3408B	
Optical Spectrum Analyzer	Agilent	70951A	
632.5 – 637 nm Tunable Laser	New Focus	TLB-6304	
Filtration Pump	KNF		
Ultrasonic Cleaner	Crest Ultrasonics	Powersonic 1100D	
Mini Vortexer	VWR	VM-3000	
Centrifuge	Beckman Coulter	Microfuge 22R	