

Materials List for:

Fabrication and Operation of a Nano-Optical Conveyor Belt

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Materials

Name	Company	Catalog Number	Comments
HSQ e-beam resist	Dow Corning	XR-1541-006	
PMMA	MicroChem	950A2 M230002	
Fast curing optical adhesive	Norland Optical Adhesive	NOA 81	
Fluorescent carboxyl microspheres	Bangs Laboratories	FC02F, FC03F	
Fluorescent carboxylate-modified microspheres	Molecular Probes	F-8888	
Quartz slide	SPI Supplies	1020-AB	
Inverted fluorescent microscope	Nikon	ECLIPSE TE2000-U	
Nd:YAG laser	Lightwave Electronics	221-HD-V04	
sCMOS camera	PCO	EDGE55	
CCD camera	Watec	WAT-120N	
Zero-order half-wave plate	Thorlabs	WPH05M-1064	
Triton X-100	Sigma-Aldrich	T8787	
Distilled water	Invitrogen	10977-023	
Si Wafer	Silicon Quest International	708069	
Optical lenses	Thorlabs		