

Materials List for:

Utilization of Plasmonic and Photonic Crystal Nanostructures for Enhanced Micro- and Nanoparticle Manipulation

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URL: <https://www.jove.com/video/3390>

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Materials

Name	Company	Catalog Number	Comments
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Axio Imager Microscope (D1M)	Carl Zeiss, Inc.	D1M	Zeiss Axio Imager.D1M
Microscope Objective (50x/0.55)	Carl Zeiss, Inc.		LD EC Epiplan - NEOFLUAR 50x/0.55 HD DIC
Zeiss Microscope Camera (AxioCam MRc)	Carl Zeiss, Inc.		
Helium Neon Laser (35 mW)	Research Electro-Optics		
Continuously Variable Attenuator	Thorlabs Inc.	NDC-100C-4M	For adjusting microscope intensity
Zeiss Filter Set #17	Carl Zeiss, Inc.	488017-9901-000	Filter Set #17
Microscope Slides, 0.5 mm thickness	VWR international		
3T3 mouse cell nuclei	Fred Hutchinson Cancer Research Center		Store as cold as possible
Acridine Orange dye	Fred Hutchinson Cancer Research Center		
Bovine Serum Albumin, 1 to 10 ration in PBS	Fred Hutchinson Cancer Research Center		
454 nm polystyrene latex spheres	Polysciences, Inc.		
carbodiimide hydrochloride (EDC) - 1-ethyl-3-(3-dimethylaminopropyl)	G-Biosciences	BC25-1	
gold (for deposition)			
Reflective ruled diffraction grating	Edmund Scientific		
Dulbecco's Phosphate-Buffered Saline (D-PBS) (1X)	Invitrogen	14190-144	