

Materials List for:

# Performing Spectroscopy on Plasmonic Nanoparticles with Transmission-Based Nomarski-Type Differential Interference Contrast Microscopy

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URL: <https://www.jove.com/video/59411>

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## Materials

Name	Company	Catalog Number	Comments
Contrad 70	Decon Labs, Inc.	1002	For cleaning microscope glass, Available through many chemical suppliers
Ethanol	Fisher Scientific	A962-4	For cleaning and storing microscope glass
Glass microscope cover slips	Ted Pella	260148	
Glass microscope slides	Ted Pella	26007	
Gold nanorods	Nanopartz	DIAM-SPR-25-650	
Gold nanospheres (80 nm)	Sigma Aldrich	742023-25ML	
ImageJ	NIH	N/A	Free Software available for data analysis from NIH
Nail polish	Electron Microscopy Sciences	72180	
Nikon Ti-E microscope	Nikon	N/A	
Nitrogen gas	Airgas	N/A	
ORCA Flash 4.0 V2+ digital sCMOS camera	Hamamatsu	77054098	
Scribing pen	Amazon	N/A	Many options available online for under \$10. Not necessary to buy an expensive version.
Ultrapure water			18 megaohm