

Materials List for:

# Analyzing the Movement of the Nauplius '*Artemia salina*' by Optical Tracking of Plasmonic Nanoparticles

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URL: <https://www.jove.com/video/51502>

DOI: [doi:10.3791/51502](https://doi.org/10.3791/51502)

## Materials

Name	Company	Catalog Number	Comments
Microscope Zeiss Axio Scope.A1	Carl Zeiss	490035-0012-000	dark field illumination
Water objective Achroplan	Carl Zeiss	440087	100X magnification, NA = 1.0
Air objective Epiplan	Carl Zeiss	442934	10X magnification, NA = 0.2
Dark field oil condenser	Carl Zeiss	445323	NA = 1.2
Cobolt Rumba CW 1,064 nm DPSSL	Cobolt	1064-05-01-2000-500	1,064 nm, CW, $\lambda = 1,064$ nm, 2 Watt, TEM00
Beam expander	Edmund Optics		Part no. 1064 2-8X 64414
High Speed Camera Dimax HD	PCO. Germany		
Color Camera Canon EOS 500 D	Canon		FAQ-ID: 8201395700
Notch filter StopLine 532/1064	Semrock	A11149-711265	Part no. NF01-532U
Water			
Nauplius <i>Artemia salina</i>			
Gold colloid	BBInternational	Batch 13741	Diameter 60 nm
MQMie Version 3.2	Dr. Michael Quinten		
Mathematica 8.0	Wolfram		
Comsol Multiphysics 4.0	COMSOL, Inc.		