

Materials List for:

High Resolution Phonon-assisted Quasi-resonance Fluorescence Spectroscopy

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URL: <https://www.jove.com/video/53719>

DOI: [doi:10.3791/53719](https://doi.org/10.3791/53719)

Materials

Name	Company	Catalog Number	Comments
Tunable Diode Laser DL pro	Toptica Photonics	DL Pro	
Closed Cycle Cryogen Free Refrigerator System for Microscopy	Cryo Industries of America Inc.	Cryocool G2	
Sourcimeter	Keithley	2611a	
50X Mitutoyo Plan Apo NIR Infinity-Corrected Objective	Mitutoyo America Corporation	378-825-5	
Turbo pump	Pfeiffer Vacuum	HiPace 80	
NIR coated Mirrors	Thor labs	BB1-E03	
Polarizers	Thorlabs	LPNIR050-MP	
200 mm AR coated Achromatic lens	Thorlabs	AC254-200-B-ML	
100 mm AR coated Achromatic lens	Thorlabs	AC254-100-B-ML	
960 Long pass filter	Thorlabs	960aelp	
960 Short pass filter	Thorlabs	960aesp	
Liquid Crystal Variable Retarder	Meadowlark Optics	LVR-100	
0.75 m Spectrometer Acton SpectraPro	Princeton Instruments	Trivista	
Liquid Nitrogen Cooled Camera	Princeton Instruments	7508-0002	
External Camera	Watec	Wat-902H Ultimate	Optional
Ostolloy	Lake Shore Cryotronics	Ostalloy 158	
Gold wire (40 gauge)	Surepure Chemetals	Au-Wire-03-02	
Silver Epoxy	A.I. Technology	Prima-Solder EG8020	
Program Software	National Instruments	LabView	