

Materials List for:

# Evaluating Plasmonic Transport in Current-carrying Silver Nanowires

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URL: <https://www.jove.com/video/51048>

DOI: [doi:10.3791/51048](https://doi.org/10.3791/51048)

## Materials

Name	Company	Catalog Number	Comments
DMEM	Invitrogen	ABCD1234	
Ethylene glycol (EG)	Sinopharm Chemical Reagent Co., Ltd	T20111130	
PMMA	Allresist	AR-P 679	
Acetone Analar Normapur	VWR Prolabo	20066.296	
Isopropanol (IPA) Analar Normapur	VWR Prolabo	20842.298	
AgNO <sub>3</sub>	Sinopharm Chemical Reagent Co., Ltd	20080826	
Poly-(vinylpyrrolidone) (PVP)	Aladdin Chemistry Co., Ltd	1041671-31744	
Dimethylsilicone	Sinopharm Group Company Limited	H201-500	
Propylene Glycol Methyl Ether Acetate	Microchemicals GmbH	AZ EBR	
Inverted optical microscope	Nikon	TE 2000	
Microscope objective	Nikon	1.49/100X TIRF Plan-Apo	
CCD Cameras (2x)	Andor	Luca-S	
Regulated power supply	RHK	SPM 1000	
Acquisition data	RHK	SPM 1000	
Current to voltage converter	homemade	Gain 10 mA/V	
Electron beam microscope	JEOL	FEG 6500	
Lithography addon	RAITH	Elphy	
Spincoater	PRIMUS	STT15	
Thermal evaporator	PLASSYS	MEB 400	
Micrometer probing stage (2x)	SÜSS MicroTec	PH110	
Piezoelectric stage	Mad City Labs	Nano LP100	