

Materials List for:

# Demonstration of a Hyperlens-integrated Microscope and Super-resolution Imaging

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URL: <https://www.jove.com/video/55968>

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## Materials

Name	Company	Catalog Number	Comments
Focused Ion Beam milling machine	FEI	Helios Nanolab G3 CX	
E-beam evaporation system	Korea Vacuum Tech	KVE-E4000	
Scanning electron microscopy	Hitachi	SU6600	
Inverted microscopy	Zeiss	Axiovert 200	
Light source	EXCELITAS Technologies	X-Cite 110 LED	
Band pass filter	Chroma	ET405/30M	
Objective lens	Zeiss	Plan-Apochromat	NA=1.3, 100X
CCD camera	Andor	Zyla 4.2	
Quartz wafer	CORNING	Fused Silica Corning 7980	
Buffered oxide etchant	J.T Baker TM	J.T.Baker 5175	
Photoresist	AZ electronic materials	GXR-601 PR	
Chromium etchant	SIGMA-ALDRICH	651826	
Aceton	J.T Baker TM	UN1090	
Isopropyl alcohol	J.T Baker TM	UN1219	
FEM simulation tool	COMSOL 5.1 Multiphysics		