

Materials List for:

Femtosecond Laser Filaments for Use in Sub-Diffraction-Limited Imaging and Remote Sensing

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Materials

Name	Company	Catalog Number	Comments
Femtosecond laser system	Coherent Co	Legend Elite System	1 kHz system, fs system pulse energy 4 mJ
IRIS	Thorlabs	id25	Mounted Standard Iris, Ø25.0 mm Max Aperture, TR3 Post
Lens	Thorlabs	LA1908-C	L=50 cm, Plano-Convex Lenses (AR Coating: 1050 - 1700 nm)
Mirrors	Thorlabs	PF10-03-P01	Plano metallic mirror
Photodetector	Hamamatsu	H12694	Thermoelectric cooled NIR-PMT unit
Spectrometer	Ocean Optics	OCEAN_HDX_VIS_NIR	Spectrometer, high dynamic range, 350-950
Translation Stage	Thorlabs	PT3-Z8	25 mm (0.98") Three-Axis Motorized Translation Stage, 1/4"-20 Taps