

Materials List for:

Multiplexing Focused Ultrasound Stimulation with Fluorescence Microscopy

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URL: <https://www.jove.com/video/58781>

DOI: [doi:10.3791/58781](https://doi.org/10.3791/58781)

Materials

Name	Company	Catalog Number	Comments
upright microscope with large working volume	Thorlabs	CERNA	
upright microscope with large working volume	Scientifica	SliceScope	
optomechanical components	Thorlabs	n/a	
needle hydrophone	ONDA Corporation	HNP/C/R/A/T series + AH/G pre-amplifier	
needle hydrophone	Precision Acoustics	n/a	
fiber optic hydrophone	ONDA Corporation	HFO series	
fiber optic hydrophone	Precision Acoustics	n/a	
oscilloscope	Keysight Technology	DSOX2004A (4-channels 70MHz)	
function generator	Keysight Technology	33500B (20MHz single-channel)	
RF power amplifier	Electronic Navigation Industries (ENI)	325LA, 525LA, 240L, 350L, A075, 2100L, 3100LA	
RF power amplifier	Electronics & Innovation (E&I)		
immersion ultrasound transducer	Olympus	focused immersion transducers	
immersion ultrasound transducer	Benthowave Instrument	HiFu transducer BII-76 series	
immersion ultrasound transducer	Precision Acoustics	Piezo-ceramic or HiFu transducers	
immersion ultrasound transducer	Ultrasonic-S-lab	HiFu transducers made to order	
high-density Matrigel	Corning	VWR 80094-330	
Mylar film 2.5 microns	Chemplex	CAT.NO:107	