

Materials List for:

Photoacoustic Cystography

Mansik Jeon^{1,2}, Jeehyun Kim³, Chulhong Kim^{1,2}

¹Department of Biomedical Engineering, University at Buffalo, The State University of New York

²Department of Creative IT Engineering, Pohang University of Science and Technology (POSTECH)

³School of Electrical Engineering and Computer Science, Kyungpook National University

Correspondence to: Chulhong Kim at chulhong@postech.edu

URL: <https://www.jove.com/video/50340>

DOI: [doi:10.3791/50340](https://doi.org/10.3791/50340)

Materials

Name	Company	Catalog Number	Comments
Q-switched Nd:YAG laser	Continuum	SLII-10	pump laser
OPO laser	Continuum	Surelite OPO PLUS	tunable laser
Prisms	Thorlabs	PS908	light deliver
Ultrasound transducer	Olympus NDT	V308	5 MHz
Ultraoundpulsar/receiver	Olympus NDT	5072PR	amplifier
Oscilloscope	Tektronix	TDS5054	data acquisition
Scanning stage	Danaher Dover	XY6060	raster scanning
Methylene blue	Sigma-Aldrich	M9140-25G	contrast agent
Rats	Harlan	Spague-Dawley	animal subject
Isoflourane vaporizer	Euthanex	EZ-155	anesthesia
Ultrasound gel	Sonotech	Clear Image singles	acoustic coupling