

Materials List for:

A Custom Multiphoton Microscopy Platform for Live Imaging of Mouse Cornea and Conjunctiva

Yueh-Feng Wu¹, Rai-Teng Ye¹, Ming-Kai Pan^{2,3}, Sung-Jan Lin^{*1,3,4,5}, Hsin-Yuan Tan^{*6,7}

¹Department of Biomedical Engineering, National Taiwan University

²Institute of Pharmacology, College of Medicine, National Taiwan University

³Molecular Imaging Center, National Taiwan University

⁴Department of Dermatology, National Taiwan University Hospital, and College of Medicine

⁵Research Center for Developmental Biology and Regenerative Medicine, National Taiwan University

⁶Department of Ophthalmology, Chang Gung Memorial Hospital

⁷College of Medicine, Chang Gung University

*These authors contributed equally

Correspondence to: Hsin-Yuan Tan at tanhsin@gmail.com

URL: <https://www.jove.com/video/60944>

DOI: [doi:10.3791/60944](https://doi.org/10.3791/60944)

Materials

Name	Company	Catalog Number	Comments
AVIZO Lite software	Thermo Fisher Scientific		Version: 2019.3.0
Bandpass filters	Semrock	FF01-434/17 FF01-500/24 FF01-585/40	
Dichroic mirrors	Semrock	FF495-Di01-25x36 FF580-Di01-25x36	
Galvano	Thorlabs	GVS002	
Jade BIO control software	SouthPort Corporation	Jade BIO	
Oxybuprocaine hydrochloride	Sigma	O0270000	
PMT	Hamamatsu	H7422A-40	
Polyethylene Tube	BECTON DICKINSON	427401	
Stereotaxic mouse holder	Step Technology Co.,Ltd	000111	
Ti: Sapphire laser	Spectra-Physics	Mai-Tai DeepSee	
Upright microscopy	Olympus	BX51WI	
Vidisc Gel	Dr. Gerhard Mann Chem-pharm. Fabrik GmbH	D13581	
Zoletil	Virbac	VR-2831	