

Materials List for:

Ex Vivo Calcium Imaging for Visualizing Brain Responses to Endocrine Signaling in *Drosophila*

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Materials

Name	Company	Catalog Number	Comments
Tungsten rod	A-M systems, Sequim, WA, USA	717000	
Blu Tack	Bostik, Paris, France	3049100	putty-like reusable adhesives
Watch glass, square, 1 5/8 in	Carolina Biological Supply Company, Burlington, NC, USA	742300	
PBS	TAKARA Bio Inc., Kusatsu, Shiga, Japan	T900	Phosphated buffered salts
CCHa2	SCRUM Inc., Tokyo, Japan		Custum-synthesized peptide
Ghrerin	Peptide institute Inc., Osaka, Japan	4372-s	
Nociceptin	Peptide institute Inc., Osaka, Japan	4313-v	
Axio Imager A2	Carl Zeiss, Oberkochen, Germany	Axio Imager A2	fluorescence microscope
Objective W N-Achroplan 20x/0.5 M27	Carl Zeiss, Oberkochen, Germany	420957-9900-000	water-immersion objective lens
P-725 PIFOC objective scanner with long travel range	Physik Instrumente GmbH & Co. KG, Karlsruhe, Germany	N/A	piezoelectric-activated lens mover
Confocal Scanner Unit CSU-W1	Yokogawa Electric Corporation, Tokyo, Japan	CSU-W1	spinning disc confocal head
ImagEM C9100-13	Hamamatsu Photonics, Sizuoka, Japan	C9100-13	EM-CCD camera
OBIS 488 nm LS 60 mW	Coherent, Santa Clara, CA, USA	1178770	488-nm laser
488/568/647 nm Yokogawa dichroic beamsplitter	Semrock, Rochester, NY, USA	Di01-T405/488/568/647-13x15x0.5	dichroic beam splitter
528/38 nm BrightLine single-band bandpass filter	Semrock, Rochester, NY, USA	FF01-528/38-25	emission filter
µManager	Open Imaging, Inc.	N/A	https://micro-manager.org
ImageJ	U. S. National Institutes of Health	N/A	https://imagej.nih.gov/ij/
TurboReg	Philippe Thévenaz, Biomediccal Imaging Group, Swiss Federal Institute of Technology Lausanne	N/A	http://bigwww.epfl.ch/thevenaz/turboreg/