

Materials List for:

Measuring Physiological Responses of *Drosophila* Sensory Neurons to Lipid Pheromones Using Live Calcium Imaging

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URL: <https://www.jove.com/video/53392>

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Materials

Name	Company	Catalog Number	Comments
Gr68a-Gal4			Gift from H. Amrein (Texas A&M Health Science Center, TX, USA) and J. Carlson (Yale University, CT, USA)
ppk23-Gal4			Gift from K. Scott (Univ. of California, Berkeley, CA, USA)
UAS-GCaMP5		42037	Bloomington Drosophila Stock Center
0.17 mm coverslip (Gold-Seal coverslip)	Electron Microscopy Services	63790-10	
Nail polish, "Hard as Nails Clear"	Sally Hansen		
PAP pen	Sigma-Aldrich	Z377821	
Paint brush			fine-tipped brush
Tape	Scotch brand		
Triton X-100	Sigma-Aldrich	13021	
Ethanol, lab grade	Merck	10094	
Hexane, HPLC grade	Sigma-Aldrich	H303SK-4	
DMSO	Sigma-Aldrich	472301	
PBST			Recipe described in the protocol section
CH ₅ O ₃			Synthesis described in Mori <i>et al.</i> , 2010
sCMOS Camera (ORCA Flash4.0)	Hamamatsu	C11578-22U	
Microscope (Ti-Eclipse)	Nikon	Ni-E	
Spinning Disk Scan head	Yokogawa	CSU-X1-A1	
Aquisition Software (MetaMorph Premier)	Molecular Devices	40002	
Fiji software	open source		http://fiji.sc/Fiji