

Materials List for:

# Paired Nanoinjection and Electrophysiology Assay to Screen for Bioactivity of Compounds using the *Drosophila melanogaster* Giant Fiber System

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URL: <https://www.jove.com/video/3597>

DOI: [doi:10.3791/3597](https://doi.org/10.3791/3597)

## Materials

Name	Company	Catalog Number	Comments
Recording glass electrodes: borosilicate glass capillaries	World Precision Instruments, Inc.	1B100F-4	1.0mm OD, 0.58mm ID
Stimulator	Grass Technologies	Model S48	
Amplifier	Getting Instruments, Inc.	Model 5A	
Data acquisition Software: Digidata	Molecular Devices	Model 1440A	
Data collection software: pCLAMP	Molecular Devices	Version 10	
Stereomicroscope with fiber optic microscope ring illuminator	AmScope	SM-4T Model HL250-AR	
Dissecting scope for mounting	AmScope	SM-2TZ	
Kite Manual Micromanipulator & Tilting Base	World Precision Instruments, Inc.	Model # M3301 Kite: Model # KITE-M3-L	
<i>Drosophila melanogaster</i> Wild 10E genotype (wild type strain)	Bloomington Stock center	Stock # 3892	
Vertical pipette puller	David Kopf Instruments	Model 700c	
Injection glass micropipettes: Borosilicate glass capillaries	World Precision Instruments, Inc.	Catalogue # 4878	1.14mm OD, 0.5mm ID
Silicon oil	Fisher Scientific	Catalogue # S159-500	
Beveler	Sutter Instrument Co.	K.T. Brown Type Model # BV-10	
Nanoliter2000	World Precision Instruments, Inc.	Catalogue # B203XVY	
Blue food coloring	McCormick & Co.	N/A	Ingredients: Water, Propylene Glycol, FD&C Blue 1, and 0.1% Propylparaben (preservative).
Methyllycaconitine citrate (MLA)	Tocris Bioscience	Catalogue # 1029	
Plastic wax sticks	Hygenic Corporation (Akron Ohio USA)		