

Materials List for:

Electrophysiological Recording of The Central Nervous System Activity of Third-Instar *Drosophila Melanogaster*

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URL: <https://www.jove.com/video/58375>

DOI: [doi:10.3791/58375](https://doi.org/10.3791/58375)

Materials

Name	Company	Catalog Number	Comments
<i>Drosophila melanogaster</i> (strain OR)	Bloomington Drosophila Stock Center	2376	
Vibration isolation table	Kinetic Systems	9200 series	
Faraday Cage	Kinetic Systems	N/A	
Dissecting Microscope on a Boom	Nikon	SMZ800N	Multiple scopes can be used; boom stand is critical
AC/DC differential amplifier	ADInstruments	AM3000H	The model 1700 can be used instead of the model 3000
audio monitor	ADInstruments	AM3300	
Hum Bug Noise Eliminator	A-M Systems	726300	
Data Acquisition System (PowerLab)	ADInstruments	PL3504	Multiple PowerLab models can be used.
Lab Chart Pro Software	ADInstruments	N/A - Online Download	
Fiber Optic Lights	Edmund Optics	89-740	Different light sources can be used, but fiber optics are the most adaptable
Micromanipulator	World Precision Instruments	M325	
Microelectrode Holder	World Precision Instruments	MEH715	Different models are acceptable
BNC cables	World Precision Instruments	multiple based on size	
Glass Capillaries	World Precision Instruments	PG52151-4	
Microelectrode Puller	Sutter Instruments	P-1000	Also can use Narashige PC-100
Black Wax	Carolina Biological Supply	974228	
Non-coated insect pins, size #2	Bioquip	1208S2	
Fine Forceps	Fine Science Tools	11254-20	
Vannas Spring Scissors	Fine Science Tools	15000-03	