

Base Recording: A Technique for Analyzing Responses of Taste Neurons in *Drosophila*

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jove.com/video/66665

Materials

Name	Company	Catalog Number	Comments
Microscope	Olympus	BX51WI	equipped with a 50X objective (LMPLFLN 50X, Olympus) and 10X eyepieces.
Antivibration Table	TMC	63-7590E	
motorized Micromanipulators	Harvard Apparatus and Märzhäuser Micromanipulators	Micromanipulator PM 10 Piezo Micromanipulator	
manual Micromanipulators	Märzhäuser Micromanipulators	MM33 Micromanipulator	
Magnetic stands	ENCO	Model #625-0930	
Reference and recording Electrode Holder	Ockenfels Syntech GmbH		
Stimulus glass capillary Holder	Ockenfels Syntech GmbH		
Universal Single Ended Probe	Ockenfels Syntech GmbH		
4-CHANNEL USB ACQUISITION CONTROLLER , IDAC-4	Ockenfels Syntech GmbH		
Stimulus Controllers	Ockenfels Syntech GmbH	Stimulus Controller CS 55	
Personal Computer	Dell	Vostro	Check for compatibility with digital acquisition system and software
Tungsten Rod	A-M Systems	Cat#716000	
Aluminum Foil and/or Faraday Cage			Electromagnetic noise shielding
Borosilicate Glass Capillaries	World Precision Instruments	1B100F-4	
Pipette Puller	Sutter Instrument Company	Model P-97 Flaming/Brown Micropipette Puller	
Stereomicroscope	Olympus	VMZ 1x-4x	For fly preparation
p200 Pipette Tips			Generic
Microloader tips	Eppendorf	E5242956003	
1 ml Syringe			Generic
Crocodile clips			
Power Transformers	STACO ENERGY PRODUCTS	STACO 3PN221B	Assembled from P1000 pipette tips, flexible plastic tubing, and mesh
Modeling Clay			Generic

Forceps			Generic
Plastic Tubing	Saint Gobain	Tygon S3™ E-3603	
Standard culture vials	Archon Scientific		Narrow 1-oz polystyrene vials, each with 10 mL of glucose medium, preloaded with cellulose acetate plugs
Berberine chloride (BER)	Sigma-Aldrich	Cat# Y0001149	
Denatonium benzoate (DEN)	Sigma-Aldrich	Cat# D5765	
N,N-Diethyl-m- toluamide (DEET)	Sigma-Aldrich	Cat# 36542	