

Materials List for:

Electrophysiological Recording From *Drosophila* Labellar Taste Sensilla

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Materials

Name	Company	Catalog Number	Comments
Stereo Zoom Microscope	Olympus	SZX12 DFPLFL1.6x PF eyepieces: WHN10x-H/22	capable of ~150X magnification with long working distance table mount stand
Antivibration Table	Kinetic Systems	BenchMate2210	
Micromanipulators	Narishige	NMN-21	
Magnetic stands	ENCO	Model #625-0930	
Reference Electrode Holder	Harvard Apparatus	ESP/W-F10N	Can be mounted on 5 ml serological pipette for extended range
Silver Wire	World Precision Instruments	AGW1510	0.3-0.5 mm diameter
Retort Stand			generic
Outlet Plastic Tube			generic, 1 cm diameter
Flexible Plastic Tubing	Nalgene	8000-0060	VI grade 1/4 in internal diameter
500 ml Conical Flask			generic, with side arm
Aquarium Pump	Aquatic Gardens	Airpump 2000	
Fiber Optic Light Source	Dolan-Jenner Industries	Fiber-Lite 2100	
White Card/Paper	Whatman	1001-110	
Digital Acquisition System	Syntech	IDAC-4	Alternative: National Instruments NI-6251
Headstage	Syntech	DTP-1	Tasteprobe
Tasteprobe Amplifier	Syntech	DTP-1	Tasteprobe
Alligator Clips	Grainger	1XWN7	Any brand is fine
Insulated Electrical Wire			Generic
Gold Connector Pins	World Precision Instruments	5482	
Personal Computer	Dell	Vostro	Check for compatibility with digital acquisition system and software
Acquisition Software	Syntech	Autospike	Autospike works with IDAC-4; alternatively, use LabView with NI-6251
Aluminum Foil and/or Faraday Cage			Electromagnetic noise shielding
Borosilicate Glass Capillaries	World Precision Instruments	1B100F-4	
Pipette Puller	Sutter Instrument Company	Model P-87 Flaming/Brown Micropipette Puller	
Beadle and Ephrussi Ringer Solution			See recipe in protocol section
Tricholine citrate, 65%	Sigma	T0252-100G	
Stereomicroscope	Olympus	VMZ 1x-4x	Capable of 10-40X magnification
Ice Bucket			Generic

p200 Pipette Tips			Generic
Spinal Needle	Terumo	SN*2590	
1 ml Syringe	Beckton-Dickenson	301025	
Fly Aspirator			Assembled from P1000 pipette tips, flexible plastic tubing, and mesh
Modeling Clay			Generic
Forceps	Fine Science Tools By Dumont	11252-00	#5SF (super-fine tips)
10 ml Syringe	Beckton-Dickinson	301029	
Plastic Tubing	Tygon	R-3603	