

Materials List for:

Analyzing Responses of Mouse Olfactory Sensory Neurons Using the Air-phase Electroolfactogram Recording

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Materials

Name	Type	Company	Catalog Number	Comments
Air delivery tube	equipment	Custom Made		The barrel of a 1-mL syringe with a T-fitting can be used as a substitute
Air table	equipment	Newport Corp.	LW3030B-OPT	
Amplifier	equipment	Warner Instruments	DP-301	
Computer and Data Acquisition Software	equipment	Axograph 4.9.2 on Apple Macintosh		Updated versions of Axograph for Mac OS X and Windows are available from http://axographx.com/ .
Butane torch	equipment			A crème brûlée torch works well
Digitizer	equipment	Axon Instruments	Digidata 1322A	
Dissecting Scope	equipment	Sciencescope	SSZ	
Electrode holder	equipment	Harvard Apparatus	64-1021	
Magnetic Holding Devices (12 mm)	equipment	World Precision Instruments, Inc.	M10	
Micromanipulators	equipment	World Precision Instruments, Inc.	M3301R M3301L	
Micropipette Puller	equipment	Sutter Instrument Co.	P2000	
Oscilloscope	equipment	Tektronix, Inc.	5110	
Picospritzer III	equipment	Parker Hannifin Corporation		
Silicone tubing	equipment	Nalge Nunc international		
Specimen stage	equipment	Custom Made		Any small solid object can be used to elevate the mounting dish. Immobilize the dish with modeling clay.
18 gage needles	material	BD Biosciences	305195	
2 oz. glass bottles	material	VWR international	16152-201	
Glass capillaries	material	World Precision Instruments, Inc.	TW150F-6	
Silicone stoppers size 16D	material	Chemware	D1069809	
Silver wire	material	World Precision Instruments, Inc.	AGW1010	
SylGuard 184	material	Dow Corning	SYLG184	From World Precision Instruments
Agarose	reagent	Invitrogen	15510-027	
Amyl acetate	reagent	Aldrich	W504009	
Calcium chloride (CaCl ₂)	reagent	Sigma-Aldrich	C-1016	
Dimethyl sulfoxide (DMSO)	reagent	Sigma-Aldrich	D5879	

HEPES	reagent	Fisher Scientific	BP310	
Heptaldehyde	reagent	Aldrich	H2120	
Magnesium chloride hexahydrate (MgCl ₂ ·6H ₂ O)	reagent	Sigma-Aldrich	M9272	
Sodium chloride (NaCl)	reagent	JT Baker	3624-05	
flowmeter	equipment	Gilmont Instruments	GF-2260	