

Materials List for:

Extracellular Recording of Neuronal Activity Combined with Microiontophoretic Application of Neuroactive Substances in Awake Mice

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Materials

Name	Company	Catalog Number	Comments
Tungsten wire	Harvard Apparatus LTD	33-0099	0.005 inches x 3 inches
Borosilicate glass capillary	Harvard Apparatus LTD	30-0053	Borosilicate standard wall without filament, 1.5 mm OD, 0.86 mm ID, 100 mm long
Multibarrel glass capillaries	World Precision Instruments	5B120F-4	5-barrel capillary, 4 inches long, 1.2 mm OD, with filament
Diaplus	DiaDent	2001-2101	Light-curing adhesive, used to attach the tungsten electrode to the glass multibarrel pipette
G-Bond	GC Corporation	2277	Light-curing adhesive, used to attach the headpost to the animal's skull
Charisma	Heraeus Kulzer	66000087	Light-curing composite, used to reinforce the bond of the headpost with the skull
Araldit Cristal	Ceys		2-component epoxy, used to further secure the attachment of the tungsten electrode to the glass multibarrel pipette
Heating blanket	Cibertec	RTC1	
Stereotactic frame	Narishige	SR-6N	Modified for mice
Microiontophoretic device	Harvard Apparatus LTD	Neurophore BH-2	Including IP-2 iontophoresis pumps (one for each drug delivery channel) and a balance module
Multibarrel glass pipette puller	Narishige	Model PE-21	
LED lamp	Technoflux	CV-215	5 W, 430-485 nm
MicroFil	World Precision Instruments	MF34G-5	Flexible plastic needle, 34 AWG
Imalgene	Merial		Ketamine, 100 mg/mL
Rompun	Bayer		Xylazine, 20 mg/mL
Gabazine / SR-95531	Sigma	S106	Prepare ~ 1000µl of 20 mM gabazine in distilled water and adjust the pH to 4