

Materials List for:

Manufacturing and Using Piggy-back Multibarrel Electrodes for *In vivo* Pharmacological Manipulations of Neural Responses

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Materials

Name	Company	Catalog Number	Comments
Bunsen burner		17928-027	Available from: VWR
Two-component dental cement: "Cold cure" dental material	Co-oral-ite Dental Mfg. Co	525000	Available from: A-M Systems, Inc
Two-component dental cement: Denture material crosslinking Liquid Compound	Co-oral-ite Dental Mfg. Co	525000	Available from: A-M Systems, Inc
Liquid glue	Henkel	01-06849	Available from: Loctite Super Glue
Micro-Iontophoresis Unit: Neurophore BH-2	Harvard Apparatus	65-0200 & 65-0203	Available from: Harvard Apparatus
Insulated silver wire	AM-Systems	785500	Available from: AM-Systems
Horizontal puller	Zeitz DMZ-Universal Puller	NA	Available from: AutoMate Scientific
Micro-manipulator pieces: electrode holder	WPI	M3301EH	Available from: WPI
Micro-manipulator pieces: linear stage	Newport 423 Series	423	Available from: Newport
Micro-manipulator pieces: rotation stage	Newport RSP-2	RSP-2	Available from: Newport
Micro-manipulator pieces: z translation	Newport 433 Series	433	Available from: Newport
Micro-manipulator pieces: angle bracket 90 ° to assemble z and xy axis	Newport 360-90	360-90	Available from: Newport
Micro-manipulator pieces: x translation / linear stage	Newport 423 Series	423	Available from: Newport
Micro-manipulator pieces: y translation / linear stage	Newport 423	423	Available from: Series Newport
Microscope	Leitz Laborlux 11		
Microscope: objective	Leitz Wetzlar 10x, NA 0.25	519760	
Microscope: eyepieces	Leitz Wetzlar, Periplan 10x/18	519748	
Microscope: stage	Leitz Wetzlar	513544	
Multibarrel capillary	N/A	612000	Available from: A-M systems, Inc
Single barrel capillary (GC 150F-10)	Harvard Apparatus	30-0057	Available from: Harvard Apparatus
Vertical puller	Narishige model PE-2		
Custom made elements of the Micro-manipulator (marked light blue in Figure 1)			
steel plate			
tilting base			
attachment for electrode holder			

Table 2. Manufacturers and item numbers of all equipment and supplies used in the procedure.