

Materials List for:

Design and Fabrication of Ultralight Weight, Adjustable Multi-electrode Probes for Electrophysiological Recordings in Mice

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Materials

Name	Company	Catalog Number	Comments
Microdrive screws	Antrin		Half Circle 0.6 UNM Titanium Screws. 8 mm thread. 9 mm length from under head.
Tap-ease	AGS CO.	#TA2	Tapping Grease
Microdrives			See .STL file
Drive Body			See .STL file
Outer Polyimide Guide Tube	Minvasive Components	IWG Item # 72113300022-012	Length: 12", ID: 0.0071", OD: 0.0116", WALL: 0.00225"
Inner Polyimide Guide Tube	Minvasive Components	IWG Item # 72113900001-012	Length: 12", ID: 0.0035", OD: 0.0055", WALL: 0.001"
Grounding Wire	A-M Systems, Inc.	Catalog # 791900	0.008" Bare, 0.011" Coated
Tri-Flow			Teflon based lubricant - Aerosol
Microdrive Springs	Lee Spring	Part # CB0050B 07 E	Outside Diameter: 1.016 mm, Hole Diameter: 1.193 mm, Wire Diameter: 0.127 mm, Free Length: 10.160 mm, Solid Length: 3.581 mm
Z-poxy 5 Minute	Pacer Technology (Zap)	PT37	
Silver Paint	GC Electronics	Part #: 22-023	Silver Print II
	Tri-Flow	20009	
26 G Hypodermic Tube - Stainless Steel	Small Parts	HTXX-26T-12-10	Length: 12", ID: 0.012", OD: 0.018"
EIB screws	Component Supply Co.	MX-0090-03SP	#00-90 x 3/16"
Fine Scissors - Toughcut	Fine Science Tools	14058-09	22 mm
Transparency Paper	3M	PP2500	
Aluminum Foil	Reynold's Wrap Heavy Duty		Extra Thick