

Materials List for

Optrode Array for Simultaneous Optogenetic Modulation and Electrical Neural Recording

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Materials

Name	Company	Catalog Number	Comments
5-pin Connector	NW3	HD127K	1.27 mm (.050") pitch
Bovie	Fine Science Tools(F.S.T)	18010-00	High Temperature Cautery Kit
Data Acquisition Software	Intan Technologies, LLC	USB Interface Board software	Work with the RHD USB Interface Board
Dental Cement	Lang Dental Manufacturing Company, Inc.	1223CLR	Use Jet Liquid and powder in jet denture repair package
Digital Manipulator Arm	Stoelting Co.	51904/51906	Left, Right each Digital Manipulator Arm, 3-Axes, Add-On
Gel Foam	Cutanplast	Standard (70*50*10 mm)	Sterile re-absorbable gelatin sponge with a haemostatic effect
Headstage Preampfier	Intan Technologies, LLC	#C3314	RHD 16-Channel Recording Headstages
Heating Pad	Stoelting Co.	53800R	Stoelting Rodent Warmer X1 with Rat Heating Pad
LED	OSLON	GB CS8PM1.13	λ typ. 470 nm, Viewing angle 80 °, Forward voltage 2.85 V
MATLAB	MathWorks, Inc.	R2019a	
Micro Clamp	SURGIWAY	12-1002-04	Straight type, Serre-fine DIEFFENBACH droite 3.5 cm
Optical Fiber	Thorlabs, Inc.	FT200UMT	0.39 NA, Ø 200 µm Core Multimode Optical Fiber, High OH for 300 - 1200 nm
PFA-Coated Tungsten Wire	A-M System	Custom ordered	Rod type, Ø 101.6 µm (.004")
Photodiode	Thorlabs	S121C	
power meter	Thorlabs Inc.	PM100D	
Precision cleaver	FITEL	S326	Fiber slicer tool
Prism	GraphPad	5.01 version	

Scalpel	Feather™	#20	Scalpel blade with 100mm long Scalpel Handle
screw	Nasa Korea	stainless steel	diameter: 1.2 mm, length: 3 mm
Silver Wire	The Nilaco Corporation	AG-401265	Ø 200 µm
Stereotaxic Fxrame	Stoelting Co.	51500D	Digital new standard stereotaxic, rat and mouse
suture	ETHICON	W9106	suture size: 4-0, length:75 cm, wire diameter: 4-0
Vaseline	Unilever PLC	Original	100% pure petroleum jelly
Wave_Clus	N/A	N/A	https://github.com/csn-le/wave_clus