

Materials List for

Electrophysiology of Laminar Cortical Activity in the Common Marmoset

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jove.com/video/65397

Materials

Name	Company	Catalog Number	Comments
1/4 Hp burr drill bit	McMaster & Carr	Cat# 43035A32	Carbide Bur with 1/4" Shank Diameter, Rounded Cylinder Head, trade Number SC-1, single Cut(https://www.mcmaster.com/products/bur-bits/burs-7/?s=1%2F4%22+bur+bits)
1x1mm Crist Grid	Crist Instruments	1 mm x 1 mm Grid	https://www.cristinstrument.com/products/implant-intro/grids
91% isopropyl alcohol	Medline	N/A	https://www.medline.com/product/Medline-Isopropyl-Rubbing-Alcohol/Bulk-Alcohol/Z05-PF03807?question=91%25%20isopropyl%20alcohol
Acquisition Board	Open-Ephys	N/A	https://open-ephys.org/acquisition-system/eux9baf6a5s8tid06hk1mw5aafjdz1
Bacitracin Ointment	Medline: Cosette Pharmaceuticals Inc	N/A	https://www.medline.com/product/Bacitracin-Ointment/Antibiotics/Z05-PF86957?question=bacitr
Blunt straight Forceps	Medline	N/A	https://www.medline.com/category/Central-Sterile/Surgical-Instruments/Forceps/Z05-CA16_02_20/products
Bone wax	Medline	ETHW31G	https://www.medline.com/product/Ethicon-Bone-Wax/Bone-Wax/Z05-PF61528?question=bonewax
C&B Metabond Quick Adhesive Cement System	Parkell, Inc.	SKU: S380	https://www.parkell.com/C-B-Metabond-Quick-Adhesive-Cement-System
Clavamox	MWI Animal Health	N/A	
Contact lens solution	Bausch and lomb		Various sources available
Custom Printed 3D printed parts	ProtoLab		https://marmolab.bcs.rochester.edu/resources.html
DB25-G2 25 Pin Male Plug Port Signal Connector	Various Sources	DB25-G2 25	DB25-G2 25 Pin Male Plug Port Signal 2 Row Terminal Breakout Board Screw Nut Connector

diamond saw attachment for dremel	Dremel	545 Diamond Wheel	https://www.dremel.com/us/en/p/545-26150545ab
Digitizing Head-stages	Intan	RHD 32channel (Part #C3314)	https://intantech.com/RHD_headstages.html?tabSelect=RHD32ch&yPos=120.8000305175781
EDOT	Sigma Aldrich	Product # 483028	https://www.sigmaaldrich.com/US/en/product/aldrich/483028
Helping Hands	Harbor Freight	N/A	https://www.harborfreight.com/helping-hands-60501.html
Hook Electrical Clips	Various Sources	N/A	Hook test Cable wires
Interface Cables (RHD 3-ft (0.9 m) ultra thin SPI cable)	Intan	Part #C3213	https://intantech.com/RHD_SPI_cables.html
Lab jack	Various Sources	N/A	https://www.amazon.com/Stainless-Steel-Scissor-Stand-Platform/dp/B07T8FM85H/ref=asc_df_B07T8FM85H/?tag=&linkCode=df0&hvadid=366343827267&hvpos=&hvnetw=g&hvrand=2036619536500717246&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdcmld=&hvlocint=&hvlocphy=9005674&hvtargid=pla-795933567991&ref=&adgrpid=71496544770&th=1
Meloxicam	MWI Animal Health	N/A	
Micro-drive	Crist Instrument	3-NRMD	https://www.cristinstrument.com/products/microdrives/minimicrodrive-3-nrmd
Multi-channel linear silicon arrays with 64 channel connector	NeuroNexus	A1x32-5mm-25-177	https://www.neuronexus.com/products/electrode-arrays/up-to-10-mm-depth/
NanoZ Omentics Adapter- 32 Channel	Neuralynx	ADPT-NZ-N2T-32	https://neuralynx.com/hardware/adpt-nz-n2t-32
NanoZ System	Plexon	NanoZ Impedance Tester	https://plexon.com/products/nanoz-impedance-tester/
Narishige Micromanipulator	Narishige	Stereotaxic Micromanipulator	https://usa.narishige-group.com/
Open-Ephys GUI	Open-Ephys		https://open-ephys.org/
Polyimide Tubing (OD(in): 0.021 / ID(in) 0.018)	Various Sources (Chamfr)	Chamfr Cat#HPC01895	https://chamfr.com/sellers/teleflex-medical-oem-llc/
Primate Chair	Custom made by University of Rochester Machine Shop	Designs online	https://marmolab.bcs.rochester.edu/resources.html
Poly(sodium 4-styrenesulfonate) (PSS)	Sigma Aldrich	Product # 243051	https://www.sigmaaldrich.com/US/en/product/aldrich/243051
RHD USB Interface board	Intan	RHD2000 Evaluation Board Version 1.0	https://intantech.com/RHD_USB_interface_board.html
Silastic gel	World Precision Instruments	# KWIK-SIL	Low Toxicity Silicone Adhesive ((https://www.wpiinc.com/kwik-sil-low-toxicity-silicone-adhesive))
Slow release buprenorphine	Compounding Pharmacy		
Stainless steel wire 36 gauge	McMaster & Carr	Cat# 6517K11	Round Bend-and-Stay Multipurpose 304 Stainless Steel Wire, Matte Finish, 1-Foot Long, 0.008" Diameter
Stanley 6-Piece Precision Screwdriver Set	Stanley	1.4mm flathead screwdriver	https://www.amazon.com/Stanley-Tools-6-Piece-Precision-Screwdriver/dp/B076621ZGC/ref=sr_1_3?crid=237VSK5FNFP9N&keywords=stanley+66-052&qid=1672764369&srefix=stanley+66-052%2Caps%2C90&sr=8-3

Steel Screws	McMaster & Carr	type 00 stainless steel hex screws and 1/8" in length	https://www.mcmaster.com/
Steel Tube	McMaster & Carr	28 gauge stainless steel tubing	https://www.mcmaster.com/tubing/multipurpose-304-stainless-steel-6/id-0-055/
Superglue	Loctite	SuperGlue Gel Control	https://www.loctiteproducts.com/en/products/fix/super-glue/loctite_super_gluegelcontrol.html