

Materials List for

Electrocorticographic Recording of Cerebral Cortex Areas Manipulated Using an Adeno-Associated Virus Targeting Cofilin in Mice

Julien Dufort-Gervais¹, Robbert Havekes², Valérie Mongrain^{1,3}

¹Center for Advanced Research in Sleep Medicine, Recherche CIUSSS-NIM ²GELIFES, University of Groningen ³Department of Neuroscience, Université de Montréal

Corresponding Author

Valérie Mongrain

valerie.mongrain@umontreal.ca

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jove.com/video/61976

Materials

Name	Company	Catalog Number	Comments
Surgery preparation			
21 G needle	Terumo	NN-2125R	
6-channel connector	ENA AG	BPHF2-O6S-E-3.2	Connector used in this manuscript, but discontinued. See potential replacement below
	Distrelec	300-93-672	Potential replacement for discontinued connector above
C57BL6/J mice	Jackson Laboratory	000664 B6	Animals bred on site
Pluronic F-68			Non-ionic surfactant
Gold wire 0.2 mm diameter	Delta scientific	920-862-41	Non-insulated
Hamilton syringe (10 µL)	Fisher Scientific	14815279	
Infusion syringe Pump CMA 402	Harvard Apparatus	CMA8003110	
Injection cannula 28 G	Plastics one	C313I-SPCL	
Isoflurane	Baxter	CA2L9100	
Ketamine (10 mg/mL)	SANDOZ	4550	
Lead-free solder	AIM	SN100C	
Lubricating ophthalmic ointment	ALLERGAN	210889	
PE 50 Catheter thin wall	Plastics one	C232CT	
Flat fillister head self tapping screws	MORRIS	FF00CE125	ECoG electrode gold covered; Dimension : 1.9 mm head diameter, 1.14 mm thread major diameter, 3.6 mm length
Soldering iron	Weller	WES51	
Syringe 1 mL	BD	309659	
Trimmer	Harvard Apparatus	72-9063	
Xylazine (20 mg/mL)	Bayer	2169592	

Intracortical AAV injection with syringe pump			
0.7 mm drill bit	Dremel	628	
AAVg-CaMKII α 0.4-cofilin ^{S3D} -HA	UPenn Viral Core		
AAVg-CaMKII α 0.4-eGFP	UPenn Viral Core		
Cotton tipped applicators	Medicom	806	
Drill	Dremel	8050-N/18	
Extra-fine Graefe forceps	Fine science tools	11150-10	
Stereotaxic arm	Stoelting	51604U	
Stereotaxic frame	Stoelting	51600	
Surgical clamps	Fine science tools	18050-28	
Tissue scissor	Magna Stainless	M4-124	
ECoG/EMG electrode implantation			
Buprenorphine (0.3 mg/mL)	CEVA	57133-02	
Curved forceps	Fine science tools	11001-12	
Delicate task wipers	Kimtech	34120	
Dental acrylic cement	Yates Motloid	44115	
Dumont #5 forceps	Fine science tools	91150-20	
Extra fine Graefe forceps	Fine science tools	11150-10	
Kelly forceps	Fine science tools	13002-10	
Liquid acrylic	Yates Motloid	44119	
Monocryl plus suture needle 13 mm 3/8c rev cutting	Ethicon	MCP494	
Providone-iodine 10%	Triad disposables	10-8208	
RelyX Unicem 2, Adhesive Resin Cement A2	3M	56849	
Immunofluorescence and ECoG recording			
36-Channel EEG Wearable Headbox	LaMONT Medical	832-000350	
CaMKII alpha Monoclonal Antibody (Cba-2)	Invitrogen	13-7300	Dilution 1:500
Conductors Awg PVC Insulation Cable	Calmont Wire & Cables	HC-0819075R0	
Donkey anti-Mouse IgG secondary Ab, Alexa Fluor 568	Invitrogen	A10037	Dilution 1:1000
Goat anti-Rabbit IgG secondary Ab, Alexa Fluor 488	Invitrogen	A-11008	Dilution 1:500
HA-Tag (C29F4) Rabbit mAb	Cell signaling	3724	Dilution 1:800
Programmable Amplifier	LaMONT Medical	815-000002-S2	
Stellate Harmonie	Natus	HSYS-REC-LT2	
Swivel connector	Crist Instrument Company Inc.	4-TBC-9-S	