

Materials List for:

# Electrophoretic Delivery of $\gamma$ -aminobutyric Acid (GABA) into Epileptic Focus Prevents Seizures in Mice

Andrea Slezia<sup>\*1,5</sup>, Christopher M. Proctor<sup>\*2,3</sup>, Attila Kaszas<sup>1,4</sup>, George G. Malliaras<sup>2,3</sup>, Adam Williamson<sup>1,5</sup>

<sup>1</sup>Aix Marseille Université, Institut de Neurosciences des Systèmes (INS)

<sup>2</sup>Electrical Engineering Division, University of Cambridge

<sup>3</sup>Department of Bioelectronics, Centre Microélectronique de Provence - Ecole Nationale Supérieure des Mines de Saint-Étienne (CMP-EMSE)

<sup>4</sup>Institut de Neurosciences de la Timone, Centre National de la Recherche Scientifique (CNRS) UMR 7289 & Aix- Marseille Université

<sup>5</sup>Neuroengineering Research Group, Interdisciplinary Excellence Center, Department of Medical Microbiology and Immunobiology, University of Szeged

\*These authors contributed equally

Correspondence to: Adam Williamson at [adam.williamson@univ-amu.fr](mailto:adam.williamson@univ-amu.fr)

URL: <https://www.jove.com/video/59268>

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## Materials

Name	Company	Catalog Number	Comments
4AP	Sigma	275875	
Alexa Fluor 488	Abcam	ab15007	
Amplifier	Neuralynx, Montana, USA	Digital Lynx 4SX	
Amplifier	Ampliplex	KJE-1001	
Atlas Stereotaxique	Allen Atlas	978-0470054086	
Borosilica glass pipette	Sutter	BF120-69-15	
Brain Matrix	WPI	RBMA-200C	
Bone trimmer	FST	16109-14	
Confocal microscope	Zeiss	LSM 510	
Connector	INSTECH	SC20/15	
Coton tige	Monoprix	EMD 6107OD	
Cover slip	Menzel-Glass	15747592	
Dil Stain	Thermo Fisher	D282	
DMSO	Sigma	11412-11	
Drill	FOREDOM	K1070	
Forceps	F.S.T.	11412-11	
GABA	Sigma	A2129	
GFAP Monoclonal Antibody	Thermofisher	53-9892-80	
GOPS	Sigma	440167-100M	
Hamilton seringe	Hamilton	80330	
Headscrew	Component Supply	TX00-2FH	
Heating pad	Harvard apparatus	341446	
Injection Pump	WPI	UMP3-3	
Keithley	Tektronix	216A	
Ketamine	Renaudin	5787419	
Magnetic holder	Supertech Instruments	MH-1	
Mice	Charles River	612	
Motoric manipulator	Scientifica, UK	IVM	
Na2HPO4	Sigma	255793	
NaH2PO4	Sigma	7558807	

NeuroTrace Dil	ThermoFisher	N22880	
Paper towel	KIMBERLY CLARK	7552000	
PB	Sigma	P4417	
PEDOT:PSS	CLEVIOS	81076212	
PFA	Acros Organic	30525-89-4	
Rectal temperature probe	Harvard apparatus	521591	
Ropivacaine	KABI	1260216	
Saline	Sigma	7982	
Scalpel	F.S.T	AUST R195806	
Syringue	BD Medical	324826	
Serrefine clamp	F.S.T	18050-28	4 is recommended
Silicon probe	NeuroNexus, Michigan, USA	A2x16-10mm-50-500-177 or A1x16-5mm-150-703	
Stereotoxic frame	Stoelting	51733U	
Superfrost Slide	ThermoScientific	J38000AMNZ	
Tubing	INSTECH	LS20	
Vaseline	Laboratoire Gilbert	3518646126611	
Vectashield DAPI	Vector Laboratories, California, USA	H-1200-10	
Vibratome, Leica VT1200S	Leica Microsystems	1491200S001	
Xylazine	Bayer	4007221032311	
Silicon probe	Neuromicrosystems Ltd	A1x32_dbl_5.0_50_0_176_50	