

Materials List for:

Recording Spatially Restricted Oscillations in the Hippocampus of Behaving Mice

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Materials

Name	Company	Catalog Number	Comments
Crocodile clamp with stand	Reichert Elektronik	HALTER ZD-10D	
Silicon probe	Cambridge Neurotech	P-series 32	
Stereoscope	Olympus	SZ51	
Varnish-insulated copper wire	Bürklin Elektronik	89 F 232	
Ground screws	Screws & More GmbH (screwsandmore.de)	DIN 84 A2 M1x2	
Flux	Stannol	114018	
Ceramic-tipped forceps	Fine Science Tools	11210-60	
Paraffine Wax	Sigma-Aldrich	327204	
Cauterizer	Fine Science Tools	18010-00	
Soldering iron	Kurtz Ersä	OIC1300	
Multimeter	Uni-T	UT61C	
Ethanol	Carl Roth	9065.1	
Pasteur pipettes	Carl Roth	EA65.1	
Heat sterilizer	Fine Science Tools	18000-45	
Stereotaxic frame	David Kopf	Model 1900	
Stereotaxic electrode holder	David Kopf	Model 1900	
Isoflurane	Abbvie	B506	
Oxygen concentrator	Respironix	1020007	
Buprenorphine	Indivior UK Limited		
Electrical shaver	Tondeo	Eco-XS	
Heating pad	Thermolux	463265/-67	
Surgical clamps	Fine Science Tools	18050-28	
Hydrogen peroxide	Sigma-Aldrich	H1009	
Sterile cotton wipes	Carl Roth	EH12.1	
Drill	Proxxon	Micromot 230/E	
21G injection needle	B. Braun	4657527	
Phosphate buffer/phosphate buffered saline			
Stereotaxic atlas	Elsevier	9.78012E+12	
Surgical scissors	Fine Science Tools	14094-11	
Surgical forceps	Fine Science Tools	11272-40	
27G injection needles	B. Braun	4657705	
Vaseline			
Dental cement	Sun Medical	SuperBond T&M	

Carprofen	Zoetis	Rimadyl 50mg/ml	
Recording amplifier	Intan Technologies	C3323	
USB acquisition board	Intan Technologies	C3004	
Recording cables	Intan Technologies	C3216	
Electrical commutator	Doric lenses	HRJ-OE_FC_12_HARW	
Acquisition software	OpenEphys (www.open-ephys.org)	GUI	allows platform-independent data acquisition
Computer for data acquisition			
Analysis environment	Python (www.python.org)		allows platform-independent data analysis
Urethane	Sigma-Aldrich		
Vibratome	Leica	VT1000	
Microscope slides	Carl Roth	H868.1	
Cover slips	Carl Roth	H878.2	
Embedding medium	Sigma-Aldrich	81381-50G	
Distilled water	Millipore	Milli Q	Table-top machine for the production of distilled water
Tergazyme	Alconox	Tergazyme	