

Materials List for:

Concurrent Recording of Co-localized Electroencephalography and Local Field Potential in Rodent

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URL: <https://www.jove.com/video/56447>

DOI: [doi:10.3791/56447](https://doi.org/10.3791/56447)

Materials

Name	Company	Catalog Number	Comments
Female Lister Hood rats	Charles Rivers		
Spider electrode	Unimed Electrode Supplies Ltd	SCS24-426	
EEG paste: Ten20	Unimed Electrode Supplies Ltd	10-20-S	
Stereotaxic holder with dual micromanipulator arms: Dual Manipulator Stereotaxic Frame with 18° Ear Bars	WPI (World Precision Instruments)	502603	
Isoflurane	National Vet Services Limited	50878	
Hard plastic nose cone: Anesthesia Gas Mask for Rat	WPI	502054	
Small animal isoflurane anaesthetic system	WPI	EZ-B800A	
Thermostatic heating pad: Rat Blanket System 230V	Harvard Apparatus UK	50-7221-F	
Ophthalmic ointment: Optixcare eye lube	Viovet	203865	
Lidocaine Hydrochloride (Injection 2%)	Larkmead Vets		
Jacquette Scaler #1SSE, 18cm, Hollow	WPI	503421	
Serrated and curved dissecting forceps	WPI	15915	
Braided silk, non-absorbable suture: Mersilk Suture W502H	National Vet Services Limited	153746	
Dental drill: BONE MICRO DRILL SYST 230 VAC	Harvard Apparatus UK	72-4860	
Sterile Saline: Sodium chloride 0.9%	Animalcare Ltd	14K26BT	
Drill bit #4 : Ball Mill, Carbide, #4	Harvard Apparatus UK	72-4958	
Drill bit #4 : Ball Mill, Carbide, #1/4	Harvard Apparatus UK	72-4962	
Faraday cage	Newport Corporation	VIS-FDC-3600	
Vibration isolation workstation: Vision IsoStation	Newport Corporation	M-VIS3660-RG4-325A	
Oximeter Control Unit and sensor: MouseOxPlus, Starr Life Sciences Corp.	WPI	O15001	
Transparent soft nose cone: Microflex Non-Rebreathing Unit with a Rat Nosecone	WPI	EZ-103A	

Stainless steel stimulating electrodes	PlasticsOne	E363/1/SPC	
Isolated current stimulator	Made in House		
16-channel micro-electrode, 100 μm spacing, area of each site 177 μm^2	NeuroNexus	A1x16-10mm-100-177-A16	
16-channel acute headstage	Tucker David Technologies Inc., TDT	RA16AC-Z	
Pre-Amplifier: Z-Series 64-Channel Neuro-Digitizing Preamp	TDT	PZ5-64	
Passive signal splitter: 32-Channel Splitter Box for PZ5	TDT	S-BOX_PZ5	
Data acquisition unit: RZ2 BioAmp Processor. Z-Series 4-DSP ultra high performance processor	TDT	RZ2-4	
Software for Neurophysiology: OpenEX	TDT		
Matlab	MathWorks		
Absorption spears	Fine Sience Tools	18105-01	