

Materials List for

Topographical EEG Recordings of Visual Evoked Potentials in Mice using Multichannel Thin-film Electrodes

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jove.com/video/64034

Materials

Name	Company	Catalog Number	Comments
Bepanthen 5% Dexpanteol	Bayer		Ophthalmic gel
Cheetah software 5.11	Neuralynx	Version 5.11	Recording software for neurophysiological signals
Digital Lynx SX	Neuralynx	Digital Lynx 16SX	Recording system
ECG differential amplifier	Otoconsult	WDA2 V1.0	
Electric shaver	Aesculap	GT420	
Electrode Holder	TSE Systems	430005-HE	
Examination light	Heine	HL 5000	Cold light source lamp
Heating Pad + Temperature Control system	CWE	TC-1000 Mouse	
Histoacryl 0.5 mL	B.Braun		Tissue adhesive
Infrared heat lamp	Sanitas	SIL 06	
Ketamine 10%	WDT		Ketaminhydrochlorid
LED stroboscope	Monarch	Nova Strobe PBL	Visual stimulation
Matlab 2021a	The Mathworks	2021a	Stimulus control and analysis
Moria Vessel Clamp	Fine Science Tools	18320-11	
Mouse EEG electrode	NeuroNexus	H32 (Reticular)	32-channel EEG electrode. Thickness: 20 µm; length: 8.6 mm; width 6.8 mm. Platinum sites: 500 µm diameter
Mouse Frame	custom made		Information available on request
Multifunction I/O device	National Instruments	PCIe-6353 with BNC 2090A	Analog stimulus generation, output, and trigger
NaCl 0.9%	B.Braun		Isotonic, sterile, nonpyrogenic
Neuralynx HS36	Neuralynx	HS-36	Headstage
Neuronexus probe connector	Neuralynx	ADPT-HS36-N2T-32A	Electrode connector
Oscilloscope	Tektronix	TDS 2014B	

Progent Intensive Cleaner	Menicon		Protein remover and disinfecting solution for rigid gas permeable lenses
Recording PC	HP	HP Z800	Recording PC
Rimadyl (Carprofen)	Zoetis		Carprofen
Silicon Oil M 1000	Carl Roth	4045.1	
Silver wire	Science Products	AG-8W	Diameter 203 μm ; ECG and reference electrode
Sound proof chamber	IAC acoustics		
Stereotactic Micromanipulator	TSE Systems	430005-M/P	For EEG electrode placement
Stimulation PC	Dell	Dell Precision T5810	Stimulation PC
Surgical microscope	Zeiss	Op-Mi Focus	
Surgical tape	3M	1527-0	1.25 cm x 9.1 m
Thilo-Tears 3 mg/g	Alcon Pharma GmbH		Ophthalmic gel
Vaselin Lichtenstein	Winthrop		White vaselin ointment
Xylazin 2%	Bernburg		Xylazinehydrochlorid
Xylocaine Spray (10 mg/puff)	Aspen		Lidocaine