

Materials List for:

Data Acquisition and Analysis In Brainstem Evoked Response Audiometry In Mice

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URL: <https://www.jove.com/video/59200>

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Materials

Name	Company	Catalog Number	Comments
AEP/OAE Software for RZ6 (BioSigRZ software)	Tucker-Davis Technologies (TDT)	BioSigRZ	
Binocular surgical magnification microscope	Zeiss Stemi 2000	0000001003877, 4355400000000, 0000001063306, 4170530000000, 4170959255000, 4551820000000, 4170959040000, 4170959050000	
Cages (Macrolon)	Techniplast	1264C, 1290D	
Carprox vet, 50mg/ml	Virbac Tierarzneimittel GmbH	PZN 11149509	
Cold light source	Schott KL2500 LCD	9.705 202	
Cotton tip applicators (sterile)	Carl Roth	EH12.1	
Custom made meshed metal Faraday cage (stainless steel, 2 mm thickness, 1 cm mesh size)	custom made	custom made	
5% Dexpantenole (Bepanthen eye and nose creme)	Bayer Vital GmbH	PZN: 01578681	
Disposable Subdermal stainless steel Needle electrodes, 27GA, 12mm	Rochester Electro-Medical, Inc.	S03366-18	
Surgical drape sheets (sterile)	Hartmann	PZN 0366787	
Ethanol, 70%	Carl Roth	9065.5	
1/4" Free Field Measure Calibration Mic Kit	Tucker-Davis Technologies (TDT)	PCB-378C0	
Gloves (sterile)	Unigloves	1570	
Graefe Forceps-curved, serrated	FST	11052-10	
GraphPad Prism 6 Software, V6.07	GraphPad Prism Software, Inc.	https://www.graphpad.com/	
Heat-based surgical instrument sterilizer	FST	18000-50	
Homeothermic heating blanked	ThermoLux	461265 / -67	
Ketanest S (Ketamine), 25mg/ml	Pfizer	PZN 08707288	
Ringer's solution (sterile)	B.Braun	PZN 01471434	
Matlab software	MathWorks, Inc.	https://de.mathworks.com/products/matlab.html	

Medusa 4-Channel Low Imped. Headstage	Tucker-Davis Technologies (TDT)	RA4LI	
Medusa 4-Channel Pre-Amp/ Digitizer	Tucker-Davis Technologies (TDT)	RA4PA	
Microphone	PCB Pieztronics	378C01	
Multi Field Speaker- Stereo	Tucker-Davis Technologies (TDT)	MF1-S	
Oscilloscope	Tektronix	DPO3012	
Optical PC1 express card for Optibit Interface)	Tucker-Davis Systems (TDT)	PO5e	
Askina Braucel pads (cellulose absorbent pads)	B.Braun	PZN 8473637	
Preamplifier	PCB Pieztronics	480C02	
RZ6 Multi I/O Processor system (BioSigRZ)	Tucker-Davis Technologies (TDT)	RZ6-A-PI	
0.9% saline (NaCl, sterile)	B.Braun	PZN:8609255	
SigGenRZ software	Tucker-Davis Technologies (TDT)	https://www.tdt.com/	
Software R (version 3.2.1) + Reshape 2 (Version 1.4.1) + ggplot 2 (version 1.0.1) + datatable (version 1.9.4), + gdata (version 2.13.3), + pastecs (version 1.3.18), + waveslim (version 1.7.5), + MassSpecWavelet (version 1.30.0)	The R Foundation, R Core Team 2015	Open Source Software (freely distributable)	
Sound attenuating cubicle	Med Associates Inc.	ENV-018V	
Standard Pattern Forceps, 12cm and 14.5 cm length	FST	11000-12, 11000-14	
Leukosilk tape	BSN medical GmbH & Co. KG	PZN 00397109	
Tissue Forceps- 1x2 Teeth 12 cm	FST	11021-12	
Uniprotect ventilated cabinet	Bioscape	THF3378	
Ventilated cabinet	Tecniplast	9AV125P	
Xylazine (Rompun), 2%	Bayer Vital GmbH	PZN 1320422	