

Materials List for

Prepping Conscious Rabbit Model for Simultaneous Video-EEG-ECG-Oximetry-Capnography for Experimental Interventions: A Procedure to Implant EEE-ECG Electrodes and Attach Respiratory Probes in Rabbit Model

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URL: <https://www.jove.com/video/20823>
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Materials

Name	Company	Catalog Number	Comments
Computer	Dell	Optiplex 5040	Acquisition computer
ECG Electrode	RhythmLink	RLSND116-2.5	13mm 35-degree bent (0.4 mm diameter) subdermal pin electrodes
EEG Electrode	RhythmLink	RLSP513	5-twist 13mm straight (0.4mm diameter) subdermal pin electrodes
EEGLAB (2020)	Swartz Center for Computational Neuroscience	Open Access	Can perform spectral analysis of EEG
Ethernet-to-ethernet adapter	Linksys	USB3G16	Adapter for connecting the camera to the computer
Foam padding	Generic	N/A	Reduces pressure applied to the neck of small rabbits by the restrainer in order to prevent the adverse cardiorespiratory effects of neck compression
MATLAB (R2019b, Update 5)	MathWorks	N/A	Required to run EEGLAB
Microphone	Sony Stereo	ECM-D570P	Recording of audible manifestations of seizures
Micropore Medical Tape, Paper, White	3M	1530-1	Used to secure wires and create ear splint
Natus NeuroWorks	Natus	LC101-8	Acquisition and review software
Photic Stimulator	Grass	PS22	Stimulator to control frequency, delay, duration, intensity of the light pulses
Plastic wire organizer / bundler	12Vwire.com	LM-12-100-BLK	Bundle wires to cut down on noise
PS 22 Photic Stimulator	Grass Instruments	BZA641035	Strobe light with adjustable flash frequency, delay, and intensity
PVC pipe	Generic	N/A	Prevents small rabbits from kicking their hind legs and causing spinal injury
Rabbit Restrainer	Plas-Labs	501-TC	Various size rabbit restrainers are available. 6" x 18" x 6" in this study.
Rubber pad (booster)	Generic	N/A	Raises small rabbits up in the restrainer to prevent neck compression
SpO ₂ ear clip	NONIN	61000	PureSAT/SpO ₂
SpO ₂ sensor adapter	NONIN	13931	XPOD PureSAT/SpO ₂
Webcol Alcohol Prep, Sterile, Large, 2-ply	Covidien	5110	To prepare ear vein before catheterization
LabChart Pro (2019, Version 8.1.16)	ADInstruments	N/A	ECG Analysis
Quantum Amplifier	Natus	13926	Amplifier / digitizer

Quantum HeadBox Amplifier	Natus	22134	64-pin breakout box
SRG-X120 1080p PTZ Camera with HDMI, IP & 3G-SDI Output	Sony	SRG-X120	Impela Camera