

Materials List for:

Brain Source Imaging in Preclinical Rat Models of Focal Epilepsy using High-Resolution EEG Recordings

Jihye Bae¹, Abhay Deshmukh¹, Yinchun Song¹, Jorge Riera¹

¹Biomedical Engineering, Florida International University

Correspondence to: Jorge Riera at jrieradi@fiu.edu

URL: <https://www.jove.com/video/52700>

DOI: [doi:10.3791/52700](https://doi.org/10.3791/52700)

Materials

Name	Company	Catalog Number	Comments
Data Acquisition Computer	Hewlett-Packard	Z210 Workstation	
Dexdomitor	Orion Pharma	6295000	Dexmedetomidine hydrochloride
EEG Analysis Software	The Mathworks Inc.	MATLAB R2011b	
		Brainstorm	Sylvain et al. 2001
		OpenMEEG	Gramfort et al. 2010
EEG Data Streamer	Tucker-Davis Technologies	RS4 Data Streamer	
EEG Electrode Paste	Biotach	YGB 103	
EEG Preamplifier	BioSemi	Active Two	
	Brain Products	BrainAmp	
	Tucker-Davis Technologies	PZ3 Low Impedance Amplifier	
EEG Recording Software	BioSemi	ActiView	
EEG Recording Software	Tucker-Davis Technologies	OpenEx - OpenDeveloper	
EEG SCSI Connector	BioSemi	Active Two SCSI Connector	
	Brain Products	D-sub Connector	
EEG Processor	Tucker-Davis Technologies	RZ2 BioAmp Processor	
	Tucker-Davis Technologies	Zif-Clif Digital Headstage	
High Resolution EEG Mini-cap	Cortech Solutions	DA-AR-ELRCS32	US patent Application No. 13/641,834
Isoflurane, USP	VedcoPiramal Healthcare	NDC 66794-013-25	
Isopropyl Alcohol	Aqua Solutions	3112213	90% v/v solution
Lubricant Ophthalmic Ointment	Rugby	NDC 0536-6550-91	Sterile
NaCl	Abbott	2B8203	Veterinary 0.9% Sodium Chloride Injection USP
Physiology Recording Software	ADInstruments	LabChart 7.0	
Physiology Recording System	ADInstruments	PowerLab 8/35	
Syringe	Monoject	200555	12cc