

Materials List for:

Performing Behavioral Tasks in Subjects with Intracranial Electrodes

Matthew A. Johnson¹, Susan Thompson¹, Jorge Gonzalez-Martinez², Hyun-Joo Park¹, Juan Bulacio², Imad Najm², Kevin Kahn⁴, Matthew Kerr⁴, Sridevi V. Sarma⁴, John T. Gale^{1,3}

¹Department of Neurosciences, Cleveland Clinic Foundation

²Epilepsy Center, Cleveland Clinic Foundation

³Department of Neurosciences and Center for Neurological Restoration, Cleveland Clinic Foundation

⁴Department of Biomedical Engineering, Johns Hopkins University

Correspondence to: John T. Gale at galej@ccf.org

URL: <https://www.jove.com/video/51947>

DOI: [doi:10.3791/51947](https://doi.org/10.3791/51947)

Materials

Name	Company	Catalog Number	Comments
InMotion ARM	Interactive Motion Technologies	InMotion Arm	http://interactive-motion.com/inmotion-arm-the-new-standard-of-care/ Equipment our lab used, can use other equipment to collect data
MATLAB	Mathworks Inc	MATLAB	http://www.mathworks.com/ Need version r2007b or higher to run Monkeylogic
Data Acquisition Toolbox	Mathworks Inc	Data Acquisition Toolbox	http://www.mathworks.com/products/daq/ Must have to run Monkeylogic
Image Processing Toolbox	Mathworks Inc	Image Processing Toolbox	http://www.mathworks.com/products/image/ Must have to run Monkeylogic
Monkeylogic	Wael Asaad and David Freedman	Monkeylogic	http://www.brown.edu/Research/monkeylogic/ Free download, must have MATLAB to run
Chronux	Medametrics, LLC	Data Processing Toolbox	http://www.chronux.org/
Brainstorm		MEG/EEG Analysis Application	http://neuroimage.usc.edu/brainstorm/
Laptop	Dell	Latitude E5530	http://www.dell.com/us/business/p/latitude-e5530/pd?ST=dell%20latitude%20e5530&dgc=ST&cid=263756&lid=478150
NI Card	National Instruments	NI USB-6008	http://sine.ni.com/nips/cds/view/lang/en/nid/201986 12-Bit, 10 kS/sec Low-Cost Multifunction DAQ