

Materials List for:

Extracellular Wire Tetrode Recording in Brain of Freely Walking Insects

Peiyuan Guo¹, Alan J. Pollack¹, Adrienn G. Varga¹, Joshua P. Martin¹, Roy E. Ritzmann¹

¹Department of Biology, Case Western Reserve University

Correspondence to: Roy E. Ritzmann at roy.ritzmnn@case.edu

URL: <http://www.jove.com/video/51337>

DOI: [doi:10.3791/51337](https://doi.org/10.3791/51337)

Materials

Name	Company	Catalog Number	Comments
Nichrome wire	Sandvik Heating Technology	Kanthal RO-800	Use for tetrode
Biomedical polyethylene tubing	A-M Systems	800700	Use for tetrode tubing
Lynx-8	Neuralynx		Use for multiunit recording
Cheetah 32	Neuralynx		Use for multiunit recording
High speed camera	Basler	A602f	Use for video recording for walking experiments
High speed camera	Casio	EX-FC150	Use for video recording for climbing experiments
WINanalyze	Winanalyze	version 1.4 3D	Use for video tracking
MATLAB	MathWorks	MATLAB R2012b	Use for TTL pulse generation and offline data analysis