

Materials List for:

Identification of Olfactory Volatiles using Gas Chromatography-Multi-unit Recordings (GCMR) in the Insect Antennal Lobe

Kelsey J. R. P. Byers¹, Elischa Sanders¹, Jeffrey A. Riffell¹

¹Department of Biology, University of Washington

Correspondence to: Jeffrey A. Riffell at jriffell@uw.edu

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Materials

Name	Company	Catalog Number	Comments
Porapak Type Q 80-100 mesh	Waters	WAT027060	
Reynolds Oven Bags	Reynolds		
GC	Agilent	7820A	
GC column	J&W Scientific, Folsom, CA, USA	DB-5 (30 m, 0.25 mm, 0.25 µm)	
Analytical helium carrier gas	Praxair	HE K	1 cc/min
16-channel silicon electrode	Neuronexus Technologies	a4x4-3mm50-177	
Fine wire NiCr, 0.012 mm diameter)	Sandvik Kanthal HP Reid	PX000004	For making custom tetrodes and stereotrodes
Pre-amplifier	Tucker-Davis System	PZ-2	
Amplifier	Tucker-Davis System	RZ-2	
Data acquisition system - OpenEx suite	Tucker-Davis System		
Online spike-sorting software - SpikePac	Tucker-Davis System		
Offline spike-sorting software - Mclust Spike-sorting toolbox	David Redish, Department of Neuroscience, University of Minnesota	Free download at http://redishlab.neuroscience.umn.edu/MClust/MClust.html	MATLAB toolbox