

Materials List for:

Eliciting and Analyzing Male Mouse Ultrasonic Vocalization (USV) Songs

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URL: <https://www.jove.com/video/54137>

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Materials

Name	Company	Catalog Number	Comments
Sound proof beach cooler	See Gus paper has more info on specific kind		Inside dimensions (L 27 x W 23 x H 47 cm):
Condenser ultrasound microphone CM16/CPMA	Avisoft Bioacoustics, Berlin, Germany	#40011	Includes extension cable
Ultrasound Gate 1216H sound card	Avisoft Bioacoustics, Berlin, Germany	#34175	12 channel sound card
Ultrasound Gate Player 216H	Avisoft Bioacoustics, Berlin, Germany	#70117	2 channels playback player
Ultrasonic Electrostatic Speaker ESS polaroid	Avisoft Bioacoustics, Berlin, Germany	#60103	2 playback speakers
Test cage	Ace	#PC75J	30 x 8 x 13 cm height; plexiglas
plexiglas separation	home made	-	4 x 13 cm plexiglas with 1 cm holes
Video camera	Logitech	C920	logitech HD Pro webcam C920
Heat pad	Sunbeam	722-810-000	
Y-maze	Home made	-	Inside dimensions (L 30 x W 11 x H 29 cm):
Tweezers			
Software			
Avisoft Recorder (Software A)	Avisoft Bioacoustics, Berlin, Germany	#10101, #10111, #10102, #10112	http://www.avisoft.com
MATLAB R2013a (Software B)	MathWorks	-	MATLAB R2013a (8.1.0.604)
Mouse Song Analyzer v1.3 (Software C)	Custom designed by Holy, Guo, Arriaga, & Jarvis; Runs with software B		http://jarvislab.net/wp-content/uploads/2014/12/Mouse_Song_Analyzer_v1.3-2015-03-23.zip
Microsoft Office Excel 2013 (Software D)	Microsoft	-	Microsoft Office Excel
Song Analysis Guide v1.1 (Software E)	Custom designed by Chabout & Jarvis. Excel calculator sheets, runs with software D		http://jarvislab.net/wp-content/uploads/2014/12/Song-analysis_Guided.xlsx
Syntax decoder v1.1 (Software F)	Custom designed by Sakar, Chabout, Dunson, Jarvis - in R studio		https://www.rstudio.com/products/rstudio/download/
Graphviz (Software G)	AT&T Research and others		http://www.graphviz.org
Avisoft SASLab (Software H)	Avisoft Bioacoustics, Berlin, Germany	#10101, #10111, #10102, #10112	http://www.avisoft.com
Reagents			
Xylazine (20 mg/mL)	Anased	-	
Ketamine HCl (100 mg/mL)	Henry Schein	#045822	

distilled water			
Eye ointment	Puralube Vet Ointment	NDC 17033-211-38	
Cotton tips			
Petri dish			