

**Materials List for:**

# **Tickling, a Technique for Inducing Positive Affect When Handling Rats**

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## Materials

Name	Company	Catalog Number	Comments
Table or workbench			No specific brand is recommended.
Handling box (rat home cage or another enclosure)			No specific brand is recommended.
Bedding or or other type of soft cover			No specific brand is recommended.
Gloves (thin laboratory gloves)			Optional.
Timing device	Deltaworks	Interval Timer:Timing for HIIT Training, Workouts <a href="https://itunes.apple.com/us/app/interval-timer-timing-for-hiit-training-workouts/id406473568?mt=8">https://itunes.apple.com/us/app/interval-timer-timing-for-hiit-training-workouts/id406473568?mt=8</a>	Optional. Any timer will do, although it is convenient to use an interval timer if you are tickling multiple rats.
Ultrasonic microphone such as a bat detector or USB microphone	Magenta Electronics LTD	Bat4 Bat Detector <a href="https://www.magenta2000.co.uk/acatalog/Bat_Detector_Bat4.html">https://www.magenta2000.co.uk/acatalog/Bat_Detector_Bat4.html</a>	Optional. The Magenta bat detector is relatively inexpensive and easy to use, but can only detect vocalizations at one range at a time.
	Dodotronic	Ultramic 200K <a href="http://www.dodotronic.com/ultramics/?v=7516fd43adaa">http://www.dodotronic.com/ultramics/?v=7516fd43adaa</a>	Optional. This microphone has worked well in our experiments. There are many other options for ultrasonic microphones.
Bioacoustic software	CIBRA	SeaWave <a href="http://www-3.unipv.it/cibra/seawave.html">http://www-3.unipv.it/cibra/seawave.html</a>	Optional. Free software with limited recording capabilities.
	CIBRA	SeaPro <a href="http://www-3.unipv.it/cibra/seapro.html">http://www-3.unipv.it/cibra/seapro.html</a>	Optional. This software has extensive recording capabilities, and has worked well in our studies. There are many other software packages that work with bioacoustic microphones.