

Materials List for:

# Murine Drinking Models in the Development of Pharmacotherapies for Alcoholism: Drinking in the Dark and Two-bottle Choice

Nhat Huynh<sup>\*1</sup>, Natalie M Arabian<sup>\*1</sup>, Liana Asatryan<sup>1</sup>, Daryl L Davies<sup>1</sup>

<sup>1</sup>Titus Family Department of Clinical Pharmacy and Pharmaceutical Economics & Policy, School of Pharmacy, University of Southern California

\*These authors contributed equally

Correspondence to: Daryl L Davies at [ddavies@usc.edu](mailto:ddavies@usc.edu)

URL: <https://www.jove.com/video/57027>

DOI: [doi:10.3791/57027](https://doi.org/10.3791/57027)

## Materials

Name	Company	Catalog Number	Comments
1 L graduated cylinder	VWR	<a href="https://us.vwr.com/store/product/20935285/marisco-single-scale-cylinder-graduates-john-m-maris-co">https://us.vwr.com/store/product/20935285/marisco-single-scale-cylinder-graduates-john-m-maris-co</a>	To prepare ethanol solution.
1 L glass bottle	Pyrex (Fisher Scientific)	<a href="https://www.fishersci.com/shop/products/pyrex-reusable-media-storage-bottles-12/p-42752">https://www.fishersci.com/shop/products/pyrex-reusable-media-storage-bottles-12/p-42752</a>	To prepare ethanol solution.
100 mL graduated cylinder	Fisher Scientific	<a href="https://www.fishersci.com/shop/products/kimble-chase-kimax-class-a-to-contain-graduated-cylinders-8/p-4369311">https://www.fishersci.com/shop/products/kimble-chase-kimax-class-a-to-contain-graduated-cylinders-8/p-4369311</a>	To prepare ethanol solution.
Analox			One potential method of analyzing DID blood samples is by using the analox machine
ball-bearing sipper tubes	Ancare Corp.	<a href="http://www.ancare.com/products/watering-equipment/open-drinking-tubes/straight-tubes-ball-point">http://www.ancare.com/products/watering-equipment/open-drinking-tubes/straight-tubes-ball-point</a>	Length: 2.5 inches, Diameter: 5/16 inches, Model: TD100
C57BL/6J Mice	Jackson lab	<a href="https://www.jax.org/strain/000664">https://www.jax.org/strain/000664</a>	May also come from internal breeding colony
disposable serological pipets	VWR International (VWR)	<a href="https://us.vwr.com/store/product/4760455/vwr-disposable-serological-pipets-polystyrene-sterile-plugged">https://us.vwr.com/store/product/4760455/vwr-disposable-serological-pipets-polystyrene-sterile-plugged</a>	10 mL, 18 mL, or 25 mL
ethanol, pure, 190 proof (95%), USP, KOPTEC	Decon Labs (VWR)	<a href="https://us.vwr.com/store/product/4542412/ethanol-pure-190-proof-95-usp-koptec">https://us.vwr.com/store/product/4542412/ethanol-pure-190-proof-95-usp-koptec</a>	---
heat gun	Master Appliances Corp.	<a href="http://www.masterappliance.com/master-heat-guns-kits/">http://www.masterappliance.com/master-heat-guns-kits/</a>	
heat shrink tubing	---	---	Diameter: 3/8 inches
industrial knife/blade	---	---	---
metal cage plate	---	---	Should be available through the university/institutional vivarium
mouse RO water	---	---	Should be available through the university/institutional vivarium
portable electronic scale	Ohaus (VWR)	<a href="https://us.vwr.com/store/product/4789377/portable-electronic-cs-series-scales-ohaus">https://us.vwr.com/store/product/4789377/portable-electronic-cs-series-scales-ohaus</a>	---
red light headlamp	nyteBright (Amazon)	<a href="https://www.amazon.com/LED-Headlamp-Flashlight-Red-Light/dp/B00R0LMMF8/ref=sr_1_1?ie=UTF8&amp;qid=1499591137&amp;sr=8-1-">https://www.amazon.com/LED-Headlamp-Flashlight-Red-Light/dp/B00R0LMMF8/ref=sr_1_1?ie=UTF8&amp;qid=1499591137&amp;sr=8-1-</a>	---

		spons&keywords=red+lamp+headlamp&psc=1	
silicone stoppers	Fisher	---	---
thermometer	Fisher Scientific	<a href="https://www.fishersci.com/shop/products/fisher-scientific-hygro-thermometer-clock-large-display-2/p-4077232">https://www.fishersci.com/shop/products/fisher-scientific-hygro-thermometer-clock-large-display-2/p-4077232</a>	---
weigh boat	VWR International (VWR)	<a href="https://us.vwr.com/store/product/16773534/vwr-pour-boat-weighing-dishes">https://us.vwr.com/store/product/16773534/vwr-pour-boat-weighing-dishes</a>	The lid from a pipete tip box is an appropriate alternative