

Materials List for:

Straightforward Assay for Quantification of Social Avoidance in *Drosophila melanogaster*

Robert W. Fernandez¹, Marat Nurilov², Omar Feliciano², Ian S. McDonald³, Anne F. Simon³

¹Department of Molecular Biophysics and Biochemistry, Yale University

²Department of Biology, York College/CUNY

³Department of Biology, Western Ontario University

Correspondence to: Anne F. Simon at asimon28@uwo.ca

URL: <https://www.jove.com/video/52011>

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Materials

| Name | Company | Catalog Number | Comments |
|---|--------------------|----------------|---|
| Stereo Zoom Microscope | Nikon | SMZ-645 | Any other standard scope for fly handling would work |
| Small paint brushes | | | for pushing flies |
| Porous Polyethylene, 12" x 12" Sheet | Flystuff - Genesee | 46-100 | http://www.flystuff.com/ProductInfo.php?productID=46-100 Porous Plastic sheet for the cold anesthesia box |
| Mini-Alarm Timer/Stopwatch | | | |
| Sharpie pens | | | |
| Adhesive Tape | | | |
| Mini vortex | Fisher | 14-955-151 | http://www.fishersci.com/ecommm/servlet/itemdetail For mechanical agitation of the flies - any vortex would work. |
| Corning Life Sciences DL No.:352017, Falcon test tube; round bottom; disposable; no closure, 14 ml; 17 x 100 mm | Fisher | 14-959-8 | http://www.fishersci.com/ecommm/servlet/itemdetail?storeId=10652&langId=-1&catalogId=29104&productId=10652 These snap in place in the in-house made T-maze and counter-current apparatus (see text) |
| cotton balls | | | to close the vials after the experiment. |
| trifold board and white bench cover | | | to provide a white background, and a homogeneous light. |
| white bench cover | | | |
| pounding pad | | | any mouse pad works. |
| large black cloth | | | to cover the counter-current apparatus in phototaxis response. |
| cool-white light | Home Depot | 1000516563 | http://www.homedepot.ca/product/illum-26-fluorescent-plug-in-linear/911423 any similar linear light with fluorescent light bulb cool-white at 13-15 W would work |