

Materials List for

Laboratory Maintenance of the Lower Dipteran Fly *Bradysia (Sciara) coprophila*: A New/Old Emerging Model Organism

Susan A. Gerbi¹

¹Department of Molecular and Cell Biology and Biochemistry, Division of Biology and Medicine, Brown University

Corresponding Author

Susan A. Gerbi
susan_gerbi@brown.edu

Citation

Gerbi, S.A. Laboratory Maintenance of the Lower Dipteran Fly *Bradysia (Sciara) coprophila*: A New/Old Emerging Model Organism. *J. Vis. Exp.* (206), e66751, doi:10.3791/66751 (2024).

Date Published

April 19, 2024

DOI

10.3791/66751

URL

jove.com/video/66751

Materials

| Name | Company | Catalog Number | Comments |
|--|---------------------|----------------|---|
| Agar (bacteriological) | U.S. Biological | A0930 | https://www.usbio.net ; |
| CO ₂ FlyStuff Foot Pedal | Genesee Scientific | 59-121 | |
| CO ₂ FlyStuff Blowgun | Genesee Scientific | 54-104 | |
| CO ₂ FlyStuff UltimaterFlypad | Genesee Scientific | 59-172 | https://www.geneseesci.com |
| Ether fume hood | Labconco | 3955220 | Sits on top of lab bench |
| | | | Filter replacement cat # 6961300 |
| Food: Brewer's Yeast Powder | Solgar | | Obtain from Amazon or health food store |
| | | | https://www.solgar.com ; |
| Food: Nettle Powder (pesticide free) | Starwest Botanicals | 209460-51 | |
| Food: Shitake Mushrooms (pesticide free) | Starwest Botanicals | 202127-5 | https://www.starwest-botanicals.com ; |
| Food: Spinach Powder (pesticide free) | Starwest Botanicals | 209583-5 | |
| Food: Straw (pesticide free) | Starwest Botanicals | 209465-3 | |
| Jar: clear glass, polypropylene lid | Fisher Scientific: | FB02911765 | 73 mm dia, 89 mm ht (240 ml) https://www.fishersci.com ; |
| Needle Probe, wooden handle | US Geo Supply Inc | SKU: 4190 | 5.75" long probe, stainless steel needle https://usgeosupply.com ; (970)-434-3708 |
| Vials: glass, preferred: | Wilmad LabGlass | | |
| Wilmad-glass custom vials | | | 28-33 mm inner dia, 33 mm outer dia, 9.5 cm ht Wilmad: https://www.SP-WilmadLabglass.com |
| Vials: glass (cheaper and ok) | Fisher Scientific | 03-339-26H | 29 mm outer dia, 9.5 cm h https://www.fishersci.com ; |
| Vials: glass (a bit narrow) | Genesee Scientific | 32-201 | 24.5 mm outer dia, 9.5 cm h https://www.geneseesci.com |

| | | | |
|------------------------------|--------------------|-----------|---|
| Vials: polypropylene | Genesee Scientific | 32-114 | 28.5 mm outer dia,9.5 cm ht |
| Vial Plugs | | | |
| roll of non-absorbent cotton | Fisher Scientific | 22-456881 | |
| cheesecloth | Fisher Scientific | 22-055053 | https://www.fishersci.com; |