

Materials List for:

# Measurement of Larval Activity in the *Drosophila* Activity Monitor

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## Materials

| Name                                                                  | Company                                                    | Catalog Number   | Comments                                         |
|-----------------------------------------------------------------------|------------------------------------------------------------|------------------|--------------------------------------------------|
| Drosophila Activity Monitor, Multibeam, 16 tubes, including wires     | TriKinetics Inc.                                           | MB5              |                                                  |
| Power Supply Interface for Activity Monitor                           | TriKinetics Inc.                                           | PSIU24           |                                                  |
| Glass 80 x 5 mm tubes for Activity Monitor (100)                      | TriKinetics Inc.                                           | PGT 5x80         |                                                  |
| DAMsystemMB1v6x Data Acquisitions Software for Macintosh OS X (Intel) | <a href="http://www.trikinetix.com">www.trikinetix.com</a> |                  | free download                                    |
| DAMFileScan 108x software for Macintosh                               | <a href="http://www.trikinetix.com">www.trikinetix.com</a> |                  | free download                                    |
| USB software (PSIUdrivers.zip).                                       | <a href="http://www.trikinetix.com">www.trikinetix.com</a> |                  | free download                                    |
| DAMSystem Notes 308                                                   | <a href="http://www.trikinetix.com">www.trikinetix.com</a> |                  | free download                                    |
| Zeiss Stemi 2000C- Stereo Microscope                                  | Spectra Services                                           | SP-STEMI2000C-BS |                                                  |
| Carbon Dioxide                                                        | Maine Oxy                                                  |                  | anaesthesia                                      |
| Fly Pad                                                               | Genesee                                                    | 59-114           | surface for sorting anaesthetized flies          |
| Small paint brush                                                     | Winsor & Newton                                            | #2 ROUND         | or similar, used for sorting anaesthetized flies |
| Silk Screen Printing Mesh (160)                                       | msj-gallery.com                                            | SM160W63-3YD     | pore sized used in this protocol was ~ 0.1 mm    |
| Tegosept                                                              | Genesee                                                    | 20-258           | preservative                                     |
| Ethanol (190proof)                                                    | Pharmco                                                    | 111000190        | used to dissolve Tegosept                        |
| 6 oz Square Bottom Bottle (PP)                                        | Genesee                                                    | 32-130           |                                                  |
| "Flugs" for Plastic Fly bottles                                       | Genesee                                                    | 49-100           |                                                  |
| Drosophila Vials, Wide (PS)                                           | Genesee                                                    | 32-117           |                                                  |
| Flugs for wide plastic vials                                          | Genesee                                                    | 49-101           |                                                  |
| Yellow Degerminated Corn Meal                                         | Gold Medal                                                 |                  |                                                  |
| Drosophila agar                                                       | LabScientific                                              | FLY 8020         |                                                  |
| Baker's Yeast - Red Star                                              | King Arthur Flour                                          | 1270             |                                                  |
| Granulated Sugar - Extra Fine                                         | Domino                                                     |                  |                                                  |