

**Materials List for:**

# **Determination of the Spontaneous Locomotor Activity in *Drosophila melanogaster***

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URL: <https://www.jove.com/video/51449>

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## **Materials**

| <b>Name</b>                                                         | <b>Company</b>                          | <b>Catalog Number</b> | <b>Comments</b> |
|---------------------------------------------------------------------|-----------------------------------------|-----------------------|-----------------|
| Sucrose FCC Food Grade 100 LB,                                      | Fisher Scientific MP Biomedicals        | ICN90471380           |                 |
| Brewer's Yeast                                                      | Fisher Scientific MP Biomedicals        | ICN90331280           |                 |
| <i>Drosophila</i> Agar Fine                                         | SciMart                                 | DR-820-25F            |                 |
| Cornmeal                                                            | Fisher Scientific MP Biomedicals        | ICN90141125           |                 |
| Methyl4-hydroxybenzoate, tegosept                                   | Sigma                                   | H5501-5KG             |                 |
| EtOH                                                                | Pharmco-AAPER                           | 111000200             |                 |
| Active Dry Yeast                                                    | Fisher Scientific                       | ICN10140001           |                 |
| Fly CO <sub>2</sub> pad                                             | LabScientific                           | BGSU-7                |                 |
| Stereo Microscope                                                   | Olympus                                 | SZ40                  |                 |
| <i>Drosophila</i> carbon dioxide (CO <sub>2</sub> ) tank            | Airgas                                  | UN1013                |                 |
| Small paint brush for pushing the flies                             |                                         |                       |                 |
| Shell vial wide                                                     | Fischer Scientific                      | AS519                 |                 |
| Buzzplugs for wide plastic vials                                    | Fischer Scientific                      | AS275                 |                 |
| Glass vials (25 x 95 mm)                                            | Fischer Scientific Kimble 60931-8       | AS-574                |                 |
| Sponge plugs for glass vials                                        | SciMart                                 | DR-750                |                 |
| <i>Drosophila</i> Food Dispenser                                    | Applied Scientific (Fischer Scientific) | AS780Q                |                 |
| DPM <i>Drosophila</i> Population Monitor                            | Trikinetics Inc.                        |                       |                 |
| DC Power Supply with line cord                                      | Trikinetics Inc.                        |                       |                 |
| PSIU9 The Power Supply Interface Unit                               | Trikinetics Inc.                        |                       |                 |
| Telephone cables and 5 way splitters                                | Trikinetics Inc.                        |                       |                 |
| Universal Serial Bus (USB) hardware                                 | Trikinetics Inc.                        |                       |                 |
| Macintosh or Windows PC with UCB port                               |                                         |                       |                 |
| DAMSystem308X Data Acquisition Software for Macintosh OSX (Intel)   | www.trikinetix.com                      |                       |                 |
| DAMSystem308 Data Acquisition Software for Windows PC (XP/ Vista/7) | www.trikinetix.com                      |                       |                 |
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|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| DAMFileScan108X software for Macintosh               | <a href="http://www.trikinetics.com">www.trikinetics.com</a>                                                                                    |  |  |
| DAMFileScan108X software for Windows PC (XP/Vista/7) | <a href="http://www.trikinetics.com">www.trikinetics.com</a>                                                                                    |  |  |
| USB software (PSIUdrivers.zip)                       | <a href="http://www.trikinetics.com">www.trikinetics.com</a>                                                                                    |  |  |
| DAMSystem Notes 308                                  | <a href="http://www.trikinetics.com/Downloads/DAMSystem%20Notes%20308.pdf">http://www.trikinetics.com/Downloads/DAMSystem%20Notes%20308.pdf</a> |  |  |