# Materials List for:

**Electrophysiological Recording From *Drosophila* Labellar Taste Sensilla**

Rebecca Delventhal, Aidan Kiely, John R. Carlson

1MCDB, Yale University

Correspondence to: John R. Carlson at john.carlson@yale.edu


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<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>Catalog Number</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stereo Zoom Microscope</td>
<td>Olympus</td>
<td>SZX12 DFPLFL1.6x PF eyepieces: WHN10x-H/22</td>
<td>capable of ~150X magnification with long working distance table mount stand</td>
</tr>
<tr>
<td>Antivibration Table</td>
<td>Kinetic Systems</td>
<td>BenchMate2210</td>
<td></td>
</tr>
<tr>
<td>Micromanipulators</td>
<td>Narishige</td>
<td>NMN-21</td>
<td></td>
</tr>
<tr>
<td>Magnetic stands</td>
<td>ENCO</td>
<td>Model #625-0930</td>
<td></td>
</tr>
<tr>
<td>Reference Electrode Holder</td>
<td>Harvard Apparatus</td>
<td>ESP/W-F10N</td>
<td>Can be mounted on 5 ml serological pipette for extended range</td>
</tr>
<tr>
<td>Silver Wire</td>
<td>World Precision Instruments</td>
<td>AGW1510</td>
<td>0.3-0.5 mm diameter</td>
</tr>
<tr>
<td>Retort Stand</td>
<td></td>
<td>generic</td>
<td></td>
</tr>
<tr>
<td>Outlet Plastic Tube</td>
<td></td>
<td>generic, 1 cm diameter</td>
<td></td>
</tr>
<tr>
<td>Flexible Plastic Tubing</td>
<td>Nalgenè</td>
<td>8000-0060</td>
<td>VI grade 1/4 in internal diameter</td>
</tr>
<tr>
<td>500 ml Conical Flask</td>
<td></td>
<td>generic, with side arm</td>
<td></td>
</tr>
<tr>
<td>Aquarium Pump</td>
<td>Aquatic Gardens</td>
<td>Airpump 2000</td>
<td></td>
</tr>
<tr>
<td>Fiber Optic Light Source</td>
<td>Dolan-Jenner Industries</td>
<td>Fiber-Lite 2100</td>
<td></td>
</tr>
<tr>
<td>White Card/Paper</td>
<td>Whatman</td>
<td>1001-110</td>
<td></td>
</tr>
<tr>
<td>Digital Acquisition System</td>
<td>Syntech</td>
<td>IDAC-4</td>
<td>Alternative: National Instruments NI-6251</td>
</tr>
<tr>
<td>Headstage</td>
<td>Syntech</td>
<td>DTP-1</td>
<td>Tasteprobe</td>
</tr>
<tr>
<td>Tasteprobe Amplifier</td>
<td>Syntech</td>
<td>DTP-1</td>
<td>Tasteprobe</td>
</tr>
<tr>
<td>Alligator Clips</td>
<td>Grainger</td>
<td>1XWN7</td>
<td>Any brand is fine</td>
</tr>
<tr>
<td>Insulated Electrical Wire</td>
<td></td>
<td>Generic</td>
<td></td>
</tr>
<tr>
<td>Gold Connector Pins</td>
<td>World Precision Instruments</td>
<td>5482</td>
<td></td>
</tr>
<tr>
<td>Personal Computer</td>
<td>Dell</td>
<td>Vostro</td>
<td>Check for compatibility with digital acquisition system and software</td>
</tr>
<tr>
<td>Acquisition Software</td>
<td>Syntech</td>
<td>Autospike</td>
<td>Autospike works with IDAC-4; alternatively, use LabView with NI-6251</td>
</tr>
<tr>
<td>Aluminum Foil and/or Faraday Cage</td>
<td></td>
<td>Electromagnetic noise shielding</td>
<td></td>
</tr>
<tr>
<td>Borosilicate Glass Capillaries</td>
<td>World Precision Instruments</td>
<td>1B100F-4</td>
<td></td>
</tr>
<tr>
<td>Pipette Puller</td>
<td>Sutter Instrument Company</td>
<td>Model P-87 Flaming/Brown Micropipette Puller</td>
<td></td>
</tr>
<tr>
<td>Beadle and Ephrussi Ringer Solution</td>
<td></td>
<td>See recipe in protocol section</td>
<td></td>
</tr>
<tr>
<td>Tricholine citrate, 65%</td>
<td>Sigma</td>
<td>T0252-100G</td>
<td></td>
</tr>
<tr>
<td>Stereomicroscope</td>
<td>Olympus</td>
<td>VMZ 1x-4x</td>
<td>Capable of 10-40X magnification</td>
</tr>
<tr>
<td>Ice Bucket</td>
<td></td>
<td>Generic</td>
<td></td>
</tr>
<tr>
<td>Item</td>
<td>Brand</td>
<td>Code</td>
<td>Notes</td>
</tr>
<tr>
<td>-----------------------</td>
<td>------------------------</td>
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<td>--------------------------------------------</td>
</tr>
<tr>
<td>p200 Pipette Tips</td>
<td></td>
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<tr>
<td>Spinal Needle</td>
<td>Terumo</td>
<td>SN*2590</td>
<td></td>
</tr>
<tr>
<td>1 ml Syringe</td>
<td>Beckton-Dickenson</td>
<td>301025</td>
<td></td>
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<tr>
<td>Fly Aspirator</td>
<td></td>
<td></td>
<td>Assembled from P1000 pipette tips, flexible plastic tubing, and mesh</td>
</tr>
<tr>
<td>Modeling Clay</td>
<td></td>
<td></td>
<td>Generic</td>
</tr>
<tr>
<td>Forceps</td>
<td>Fine Science Tools By Dumont</td>
<td>11252-00</td>
<td>#5SF (super-fine tips)</td>
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<tr>
<td>10 ml Syringe</td>
<td>Beckton-Dickinson</td>
<td>301029</td>
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<tr>
<td>Plastic Tubing</td>
<td>Tygon</td>
<td>R-3603</td>
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