## Materials List for:

### Synthesis and Functionalization of 3D Nano-graphene Materials: Graphene Aerogels and Graphene Macro Assemblies

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URL: [https://www.jove.com/video/53235](https://www.jove.com/video/53235)

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### Materials

<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>Catalog Number</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Layer Graphene Oxide</td>
<td>Cheap Tubes</td>
<td>n/a</td>
<td>300-800 nm XY dimensions</td>
</tr>
<tr>
<td>single wall carbon nano tubes (SWCNTs)</td>
<td>Carbon Solutions</td>
<td>P2-SWNT</td>
<td></td>
</tr>
<tr>
<td>resorcinol</td>
<td>Aldrich</td>
<td>398047-500G</td>
<td></td>
</tr>
<tr>
<td>37% formaldehyde solution in water</td>
<td>Aldrich</td>
<td>252549</td>
<td></td>
</tr>
<tr>
<td>acetic acid</td>
<td>Aldrich</td>
<td>320099</td>
<td></td>
</tr>
<tr>
<td>ammonium hydroxide solution 28-30% NH₃ basis</td>
<td>Aldrich</td>
<td>320145</td>
<td></td>
</tr>
<tr>
<td>sodium carbonate</td>
<td>Aldrich</td>
<td>791768</td>
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</tr>
<tr>
<td>anthraquinone</td>
<td>Aldrich</td>
<td>a90004</td>
<td></td>
</tr>
<tr>
<td>Polaron supercritical dryer</td>
<td>Electron Microscopy Sciences</td>
<td>EMS 3100</td>
<td>this is a representative model, any critical point dryer compatible with acetone should work</td>
</tr>
</tbody>
</table>

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[1] Materials Science Division, Lawrence Livermore National Laboratory.
