Materials List for:  
**Preparation of Primary Mixed Glial Cultures from Adult Mouse Spinal Cord Tissue**

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### Materials

<table>
<thead>
<tr>
<th><strong>Name</strong></th>
<th><strong>Company</strong></th>
<th><strong>Catalog Number</strong></th>
<th><strong>Comments</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Dulbecco’s modification of Eagle’s media (DMEM) with 4.5 g/L glucose</td>
<td>Lonza</td>
<td>12-709F</td>
<td>The cDMEM media is a standard, widely used culture media. Individual researchers can decide where to purchase the DMEM and all other components used to make cDMEM media.</td>
</tr>
<tr>
<td>L-Glutamine (100x)</td>
<td>Lonza</td>
<td>17-605E</td>
<td>The L-glutamine is a standard, widely used component for various culture media. Individual researchers can decide where to purchase L-glutamine.</td>
</tr>
<tr>
<td>Antibiotic-Antimycotic Solution (100x)</td>
<td>Corning-Mediatech</td>
<td>30-004-CI</td>
<td>This is a combination of penicillin, streptomycin and Amphotericin formulated to contain 10,000 units/mL penicillin G, 10 mg/mL streptomycin sulfate and 25 µg/mL amphotericin B. Individual researchers can decide where to purchase individual components.</td>
</tr>
<tr>
<td>2-mercaptoethanol (2-ME)</td>
<td>Sigma-Aldrich</td>
<td>M3148</td>
<td>A BioReagent, suitable for cell culture, molecular biology and electrophoresis.</td>
</tr>
<tr>
<td>Papain dissociation system</td>
<td>Worthington Biochemical Corporation</td>
<td>LK003150</td>
<td>Individual components of this kit can be purchased separately.</td>
</tr>
<tr>
<td>Percoll</td>
<td>GE Health Care</td>
<td>17-0891-01</td>
<td>Percoll is sold as sterile solution. Undiluted Percoll can be re-autoclaved if needed.</td>
</tr>
<tr>
<td>Lab-line incubator/shaker</td>
<td>Barstead/Lab-line</td>
<td>MaxQ4000</td>
<td>This is the incubator/shaker we have currently. Other types of shakers can be used instead.</td>
</tr>
<tr>
<td>Lipopolysaccharides, <em>Salmonella Minnesota</em> Re595</td>
<td>Sigma-Aldrich</td>
<td>L-9764</td>
<td>Other strains of LPS can also induce glial responses. The magnitude of the responses though, may vary.</td>
</tr>
<tr>
<td>Mouse IL-6 DuoSet ELISA</td>
<td>R&amp;D Systems</td>
<td>DY406</td>
<td>Each individual Researcher can select the ELISA kit he or she prefers.</td>
</tr>
<tr>
<td>Mouse TNF-alpha DuoSet ELISA</td>
<td>R&amp;D Systems</td>
<td>DY410</td>
<td>Each individual Researcher can select the ELISA kit he or she prefers.</td>
</tr>
<tr>
<td>Mouse IP-10 (CXCL10) DuoSet ELISA</td>
<td>R&amp;D Systems</td>
<td>DY466</td>
<td>Each individual Researcher can select the ELISA kit he or she prefers.</td>
</tr>
<tr>
<td>Mouse MCP-1 (CCL2) ELISA Opteia set</td>
<td>BD Biosciences</td>
<td>555260</td>
<td>Each individual Researcher can select the ELISA kit he or she prefers.</td>
</tr>
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</tr>
<tr>
<td>Mouse chemokine Q-Plex</td>
<td>Quansys Biosciences</td>
<td>120251MS</td>
<td>This product was not available for in-house assay at the time. Instead, we sent out samples to the manufacturer for analysis.</td>
</tr>
<tr>
<td>APC-anti-mouse-CD45 (clone 30-F11)</td>
<td>eBioscience</td>
<td>17-0451</td>
<td>Antibody of the same clone but from other vendors can be used.</td>
</tr>
<tr>
<td>FITC-anti-mouse-CD11b (clone M1/70)</td>
<td>eBioscience</td>
<td>11-0112</td>
<td>Antibody of the same clone but from other vendors can be used.</td>
</tr>
<tr>
<td>Accuri C6 flow cytometer</td>
<td>BD Biosciences</td>
<td>BD Accuri C6</td>
<td>Each individual Researcher can use any flow cytometer he or she prefers.</td>
</tr>
<tr>
<td>FlowJo software</td>
<td>Tree Star, Inc.</td>
<td>FlowJo7.6.5</td>
<td>Each individual Researcher can use any analysis software he or she prefers.</td>
</tr>
</tbody>
</table>