LIPID MAPS Solution Protocol

Solution name: DMEM 10% NCLPPS 1% Pen/Strep

Solution name abbreviation: 10% NCLPPS

Protocol ID:

Version:

Volume: 500 mL

Components:

<table>
<thead>
<tr>
<th>Reagent</th>
<th>Source</th>
<th>Catalog or Protocol No.</th>
<th>F.W. or Stock Conc.</th>
<th>Quantity</th>
<th>Final Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMEM with 4mM L-Glut and 4.5 g/L glucose</td>
<td>Cellgro</td>
<td>10-013</td>
<td>1X</td>
<td>445 mL</td>
<td>1X</td>
</tr>
<tr>
<td>Antibiotic Penicillin Streptomycin</td>
<td>Gibco</td>
<td>15140-122</td>
<td>100%</td>
<td>5mL</td>
<td>1%</td>
</tr>
<tr>
<td>NCLPPS</td>
<td>Core J</td>
<td>N/A</td>
<td>100%</td>
<td>50mL</td>
<td>10%</td>
</tr>
</tbody>
</table>

Solution Preparation:
1. Remove 55 mL from the DMEM reagent stock bottle.
2. Add 50 mL NCLPPS.
3. Add 5 mL Pen/Strep.
4. Invert to mix.
5. Warm to 37°C before use.
6. Store at 4°C.

Notes:
- NCLPPS = Newborn calf lipoprotein-deficient serum
- Use NCLPPS within one month of thawing.

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Date: 3/10/06