AfCS Solution Protocol

Reagent name: 2-D Sodium dodecyl sulfate equilibration buffer stock solution

Reagent name abbreviation: 2-D SDS equilibration buffer

Protocol ID: PS00000488

Version: 01

Volume: 1L

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>1.5 M Tris-HCl, pH 8.8</td>
<td>None</td>
<td>PS00000482</td>
<td>1.5 M</td>
<td>33.5 ml</td>
<td>50 mM</td>
</tr>
<tr>
<td>Urea</td>
<td>Sigma-Aldrich</td>
<td>U0631</td>
<td>60.06</td>
<td>360.35 g</td>
<td>6 M</td>
</tr>
<tr>
<td>Glycerol</td>
<td>VWR</td>
<td>JTM778-9</td>
<td>99% (v/v)</td>
<td>303 ml</td>
<td>30% (v/v)</td>
</tr>
<tr>
<td>Sodium dodecyl sulfate (SDS)</td>
<td>Fisher Scientific</td>
<td>BP166-500</td>
<td>288.38</td>
<td>30 g</td>
<td>3% (w/v)</td>
</tr>
</tbody>
</table>

Preparation:
1. Dissolve urea and SDS in 400 ml of purified water in a 1-L beaker.
2. Dilute glycerol with 155 ml purified water. Add to urea/SDS mixture.
3. Add Tris-HCl. Mix until all ingredients are combined.
4. Pour solution into a graduated cylinder and adjust volume to 1 L with purified water.
5. Filter to sterilize.
6. Place into 50-ml conical tubes, 40-ml aliquots. Freeze.

Storage:
Temperature: -20 °C
Location: ______________
Aliquot size: 40 ml
Special instructions: None

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Date: 04/04/03

Approved: Deirdre Brekken

Comments: This is a stock solution. Prior to use, DTT or iodoacetamide is added.