AfCS Solution Protocol

Reagent name: Sample buffer stock solution, 4.5X
Reagent name abbreviation: 4.5X SBSS
Protocol ID: PS00000051
Version: 01
Volume: 44 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>Tris-HCl, pH 6.8, 1 M</td>
<td>None</td>
<td>PS00000061</td>
<td>0.5 M</td>
<td>20 ml</td>
<td>0.23 M</td>
</tr>
<tr>
<td>Sodium dodecyl sulfate (SDS)</td>
<td>Fisher Biotech</td>
<td>BP166-500</td>
<td>289</td>
<td>2 g</td>
<td>4.5% (w/v)</td>
</tr>
<tr>
<td>Glycerol</td>
<td>ICN</td>
<td>800688</td>
<td>100%</td>
<td>20 ml</td>
<td>45% (v/v)</td>
</tr>
<tr>
<td>Bromophenol blue</td>
<td>Fisher Biotech</td>
<td>BP115-25</td>
<td>670</td>
<td>16 mg</td>
<td>0.04% (w/v)</td>
</tr>
</tbody>
</table>

Preparation:
1. Pipette 20 ml of Tris-HCl into a 100-ml beaker containing a stir bar.
2. Transfer 20 ml of glycerol to the stirring solution with a 25-ml pipette. Rinse pipette repeatedly with liquid from the beaker to completely transfer the glycerol.
3. Add SDS and Bromophenol blue to the solution.
4. Transfer solution to a graduated cylinder. Use purified water to rinse beaker and adjust volume to 44 ml in the graduated cylinder.
5. Mix by gentle inversion to avoid formation of foam.
6. Divide into 5-ml aliquots

Storage:
- Temperature: 4 °C
- Location: _______________
- Aliquot size: 5 ml
- Special instructions: None

Author: Richard Davis
Date: 11/01/02
Approved: Susanne Mumby
Comments: None