AfCS Solution Protocol

Reagent name: Sample buffer complete, 1.5X
Reagent name abbreviation: 1.5X SBC
Protocol ID: PS00000050
Version: 01
Volume: 6.7 ml

Components:

<table>
<thead>
<tr>
<th></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>Protease inhibitor cocktail tablets (complete, mini)</td>
<td>Roche</td>
<td>1836153</td>
<td>NA</td>
<td>1 tablet</td>
<td>1.5X</td>
</tr>
<tr>
<td>Sample buffer, 4X</td>
<td>None</td>
<td>PS000000052</td>
<td>4X</td>
<td>2.5 ml</td>
<td>1.5X</td>
</tr>
<tr>
<td>Phosphatase inhibitor cocktail 1</td>
<td>Sigma-Aldrich</td>
<td>P2850</td>
<td>100X</td>
<td>100 µl</td>
<td>1.5X</td>
</tr>
<tr>
<td>Phosphatase inhibitor cocktail 2</td>
<td>Sigma-Aldrich</td>
<td>P5726</td>
<td>100X</td>
<td>100 µl</td>
<td>1.5X</td>
</tr>
</tbody>
</table>

Preparation:
1. Allow phosphatase inhibitor cocktail 1 (stored at 4 °C) to thaw and redissolve completely. This step will vary in time, depending on the volume of the aliquot.
2. Add a tablet of protease inhibitor to 3.9 ml of purified water in a 15-ml conical tube, and vortex to dissolve completely.
3. Add freshly made 4X sample buffer (containing reducing agents), phosphatase inhibitor cocktail 1, and phosphatase inhibitor cocktail 2 to the solution.
4. Add 3.4 ml of purified water.
5. Cap tube and mix slowly by inversion (to avoid formation of foam).

Storage:
Temperature: -20 °C
Location: __________________
Aliquot size: 0.5 ml
Special instructions: Do not keep solution for more than 1 week.

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