AfCS Solution Protocol

Reagent name: Phosphate buffered saline, pH 7.4, 10X

Reagent name abbreviation: 10X PBS, pH 7.4

Protocol ID: PS00000041

Version: 01

Volume: 1 L

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>Sodium chloride (NaCl)</td>
<td>Fisher Biotech</td>
<td>BP358212</td>
<td>58.44</td>
<td>80 g</td>
<td>1.37 M</td>
</tr>
<tr>
<td>Potassium chloride (KCl)</td>
<td>Fisher Biotech</td>
<td>BP366500</td>
<td>74.56</td>
<td>2 g</td>
<td>26.8 mM</td>
</tr>
<tr>
<td>Sodium phosphate (Na₂HPO₄)</td>
<td>Sigma-Aldrich</td>
<td>S7907</td>
<td>142</td>
<td>14.2 g</td>
<td>0.1 M</td>
</tr>
<tr>
<td>Potassium phosphate (KH₂PO₄)</td>
<td>Sigma-Aldrich</td>
<td>P5379</td>
<td>136.1</td>
<td>2.4 g</td>
<td>17.6 mM</td>
</tr>
<tr>
<td>Hydrochloric acid (HCl), 1 N</td>
<td>None</td>
<td>PS000000034</td>
<td>NA</td>
<td>NA</td>
<td>1 N</td>
</tr>
</tbody>
</table>

Preparation:
1. Dissolve chemicals in 800 ml of purified water by stirring in a beaker.
2. Adjust pH to 7.4 with 1 N HCl.
3. Transfer to a graduated cylinder and adjust volume to 1 L with purified water.
4. Sterilize by filtering through a 0.2-μm filter flask or autoclaving.

Storage:
- Temperature: Room temperature
- Location: ________________
- Aliquot size: NA
- Special instructions: None

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Date: 12/06/01

Approved: Zhen Yan

Comments: None