AfCS Solution Protocol

Reagent name: Hanks’ balanced salt solution-bovine serum albumin, pH 7.4
Reagent name abbreviation: HBSS-BSA, pH 7.4
Protocol ID: PS00000032
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>Hanks’ balanced salt solution (HBSS)</td>
<td>Invitrogen</td>
<td>14065056</td>
<td>10X</td>
<td>100 ml</td>
<td>1X</td>
</tr>
<tr>
<td>HEPES</td>
<td>Invitrogen</td>
<td>15630080</td>
<td>1 M</td>
<td>25 ml</td>
<td>25 mM</td>
</tr>
<tr>
<td>Bovine serum albumin (BSA) (Fraction V)</td>
<td>Sigma-Aldrich</td>
<td>A8806</td>
<td>NA</td>
<td>1 g</td>
<td>1 mg/ml</td>
</tr>
<tr>
<td>1 N NaOH</td>
<td>None</td>
<td>PS000000038</td>
<td>1 N</td>
<td>Titrated</td>
<td>NA</td>
</tr>
</tbody>
</table>

Preparation:
1. Pour 800 ml of purified water into a 1000-ml beaker.
2. Sprinkle BSA on top of water and let it dissolve without agitation.
3. Add HEPES and HBSS.
4. Adjust pH to 7.4 with 1 N NaOH.
5. Transfer to a 1-L graduated cylinder and adjust volume to 1 L with purified water.
6. Cover and mix thoroughly by repeated gentle inversion.
7. Sterilize by filtration through a 0.2-μm filter.

Storage:
- Temperature: 4 °C
- Location: ______________
- Aliquot size: NA
- Special instructions: None

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Date: 12/12/01
Approved: Paul Sternweis
Comments: None