AfCS Solution Protocol

Reagent name: N-(2-Hydroxyethyl)piperazine-N'-(2-ethanesulfonic acid), pH 7.3, 1 M

Reagent name abbreviation: 1 M HEPES, pH 7.3

Protocol ID: PS00000429

Version: 01

Volume: 200 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>HEPES</td>
<td>Sigma-Aldrich</td>
<td>H4034</td>
<td>238.3</td>
<td>47.66 g</td>
<td>1 M</td>
</tr>
<tr>
<td>Sodium hydroxide (NaOH), 5 N</td>
<td>None</td>
<td>PS00000430</td>
<td>5 N</td>
<td>Titrated</td>
<td>NA</td>
</tr>
</tbody>
</table>

Preparation:
1. Weigh HEPES and put into a 200-ml beaker.
2. Add 100 ml purified water and stir to dissolve.
3. Adjust pH to 7.3 with 5 N NaOH.
4. Adjust volume to 200 ml with purified water in a graduated cylinder.
5. Sterilize the solution by filtration through a 0.2-µm filter.
6. Use sterile procedures to divide solution into 10-ml aliquots by dispensing into 15-ml sterile, conical tubes.
7. Cap and freeze.

Storage:
- Temperature: -20 °C
- Location: __________________
- Aliquot size: 10 ml
- Special instructions: None

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Date: 08/23/02

Approved: Grischa Chandy

Comments: None