AfCS Solution Protocol

Reagent name: Propidium iodide, 10 mM

Reagent name abbreviation: 10 mM PI

Protocol ID: PS00000534

Version: 01

Volume: 1.5 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>Propidium iodide (PI)</td>
<td>Molecular Probes</td>
<td>P1304</td>
<td>668.4</td>
<td>10 mg</td>
<td>10 mM</td>
</tr>
</tbody>
</table>

Preparation of stock PI solution:
1. Add PI to a 1.5-ml Eppendorf tube.
2. Add 1.5 ml of sterile water to the tube.
3. Allow solute to dissolve completely.
4. Divide into 50-µl aliquots and store at –20 °C.

Storage:
Temperature: -20 °C
Location: __________________
Aliquot size: 50 µl
Special instructions: Protect from light. Wear gloves when handling solution.

Dilution for staining of cells at 1 µM:
1. Dilute the 10 mM stock PI solution thousandfold into the appropriate extracellular buffer to make a 10 µM working PI staining solution.
2. Dilute the 10 µM working PI staining solution tenfold into the extracellular buffer on the cells, resulting in a final concentration of 1 µM.

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Date: 06/23/03

Approved: Grischa Chandy

Comments: PI is a potential mutagen and should be disposed of safely.