AfCS Solution Protocol

Reagent name: Magnetic cell sorting buffer

Reagent name abbreviation: MACS buffer

Protocol ID: PS00000001

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>10X PBS, pH 7.4</td>
<td>None</td>
<td>PS000000041</td>
<td>10X</td>
<td>100 ml</td>
<td>1X</td>
</tr>
<tr>
<td>0.5 M EDTA, pH 8.0</td>
<td>None</td>
<td>PS00000026</td>
<td>0.5 M</td>
<td>4 ml</td>
<td>2 mM</td>
</tr>
<tr>
<td>Bovine serum albumin (BSA) (Fraction V)</td>
<td>Sigma-Aldrich</td>
<td>A4919</td>
<td>Powder</td>
<td>5 g</td>
<td>5 mg/ml</td>
</tr>
</tbody>
</table>

Preparation:

1. Add PBS and EDTA to 800 ml of purified water in a 1-L beaker.
2. Sprinkle BSA on top of the solution and let it dissolve by gravity with no stirring.
3. Transfer solution to a 1-L graduated cylinder and adjust the volume to 1 L with purified water.
4. Cover with Parafilm and mix by repeated gentle inversion.
5. Sterilize by filtering through a 0.2-µm Nalgene SFCA filter unit.

Storage:

Temperature: 4 °C
Location: __________________
Aliquot size: NA
Special instructions: None

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Date: 01/08/02

Approved: Paul Sternweis

Comments: None