AfCS Solution Protocol

**Reagent name:** Ethylenediaminetetraacetate, sodium, pH 8.0, 0.5 M

**Reagent name abbreviation:** 0.5 M EDTA, pH 8.0

**Protocol ID:** PS00000026

**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>EDTA</td>
<td>Fisher Biotech</td>
<td>BP120-1</td>
<td>372.24</td>
<td>186.1 g</td>
<td>0.5 M</td>
</tr>
<tr>
<td></td>
<td>Sigma-Aldrich</td>
<td>E4884</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 N NaOH</td>
<td>None</td>
<td>PS000000037</td>
<td>10 N</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

**Preparation:**

1. Weigh EDTA and put into a 1-L beaker.
2. Add 800 ml of purified water.
3. Adjust pH to 8.0 with 10 N NaOH while stirring (EDTA will go into solution as pH rises to 8.0).
4. Transfer solution to a 1-L graduated cylinder and adjust volume to 1 L with purified water.
5. Cover cylinder and mix thoroughly.
6. Sterilize by autoclaving, if appropriate.

**Storage:**

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

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**Date:** 01/08/02

**Approved:** Paul Sternweis

**Comments:** None