AfCS Solution Protocol

**Reagent name**: Tris(hydroxymethyl)aminomethane-HCl, pH 7.5, 1 M, with sodium dodecyl sulfate, 2%

**Reagent name abbreviation**: Tris-HCl/SDS

**Protocol ID**: PS00000068

**Version**: 01

**Volume**: 500 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>Tris base</td>
<td>Fisher Scientific</td>
<td>BP152-500</td>
<td>121.14</td>
<td>60.6 g</td>
<td>1 M</td>
</tr>
<tr>
<td>Sodium dodecyl sulfate (SDS)</td>
<td>Fisher Scientific</td>
<td>BP166-500</td>
<td>288.8</td>
<td>10 g</td>
<td>2 %</td>
</tr>
<tr>
<td>Hydrochloric acid (HCl), concentrated</td>
<td>Mallinckrodt</td>
<td>H613</td>
<td>12 N</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

**Preparation**:
1. Add 400 ml of purified water to a beaker containing a stir bar.
2. Weigh Tris base and SDS and add to beaker. Stir to dissolve.
3. Adjust pH to 7.5 with concentrated HCl. Do not leave pH electrode in solution, as this will cause drift in calibration. Check calibration of electrode prior to last reading.
4. Transfer to a graduated cylinder and adjust volume to 500 ml with purified water.
5. Cover graduated cylinder with Parafilm, and mix thoroughly by repeated inversion.
6. Pour into a glass bottle for storage.

**Storage**:
Temperature: Room temperature
Location: __________________
Aliquot size: NA
Special instructions: None

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**Date**: 01/24/02

**Comments**: None