Buffered Sodium Citrate 3.2 %, 0.109 M

Features
- Formulated from analytical grade reagents
- Exactly pre-weighed in pouches
- Dissolve and use in minutes
- Ideal for blood storage
- Guaranteed reproducibility

Product description
Buffered Sodium Citrate is used in clinical laboratories and blood banks as an effective anti-coagulant, usually in a ratio of 1:9 sodium citrate/blood. The citrate ion chelates calcium ions in the blood by forming calcium citrate complexes and disrupting the blood clotting mechanism.

Medicago's Buffered Sodium Citrate is supplied at two sizes with pouches giving 100 ml or 1000 ml of 3.2 %, 0.109 M buffered sodium citrate solution.

Applications
- Clinical laboratory procedures
- Anti-coagulant reagent
- Preservation of blood in blood banks
- In venous blood collection tubes

Directions for use
Empty one pouch of the powder in a laboratory flask or beaker placed on a magnetic stirrer. Add 50 ml or 300 ml of deionized water and stir the solution for a few minutes. Adjust the volume up to 100 or 1000 ml, stir and the solution is ready to use.

Shipping and storage
Buffered Sodium Citrate is shipped at room temperature. Store the pouches in a dry place at room temperature. Shelf life is three years. Solutions can be stored at room temperature or at +4°C for two months.

Specifications

<table>
<thead>
<tr>
<th>Chemicals</th>
<th>Analytical grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Exactly pre-weighed powder mix</td>
</tr>
<tr>
<td>Concentration</td>
<td>3.2 % 0.109 M buffered sodium citrate</td>
</tr>
<tr>
<td>Volume</td>
<td>100 ml and 1000 ml</td>
</tr>
<tr>
<td>Shelf life</td>
<td>Three years after production date</td>
</tr>
</tbody>
</table>

Tips and hints
If content in pouch is not properly dissolved, make sure:
- the water temperature is 25°C (do not exceed this temperature)
- the buffer is properly stirred.

Sterilization can be performed by filtration. Filter the buffer solution through a 0.22 µm filter into a sterile flask. Keep the solution at +4°C.

Certifications
Medicago's laboratories and manufacturing site in Uppsala are ISO 9001:2008 and ISO 13485:2003 certified. Each stage of the manufacturing process is controlled and monitored by stringent quality control procedures to guarantee the highest possible quality and lot-to-lot reproducibility.

Ordering information

<table>
<thead>
<tr>
<th>Article no.</th>
<th>Product name</th>
<th>Pack size</th>
<th>Solution vol.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A12-8480-10</td>
<td>Buffered Sodium Citrate 3.2 %</td>
<td>10 pouches</td>
<td>100 ml/pouch</td>
</tr>
<tr>
<td>A12-8483-5</td>
<td>Buffered Sodium Citrate 3.2 %</td>
<td>5 pouches</td>
<td>1000 ml/pouch</td>
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</tbody>
</table>