SOUTHERN BLOTTING

1. Run DNA on gel.

2. Photograph gel.

3. Denature DNA by shaking gel in 1.5 M NaCl, 0.5 M NaOH for 45'-1 hr.

4. Neutralize gel by shaking in 3 M NaCl, 0.5 M Tris pH7.5 for 45' - 1 hr.

5. Cut a piece of Nytran and two pieces of whatman filter paper the same size as the gel and wet in 2 x SSC.

6. Set up blotting tray with **20 x SSC** in tray as follows:

7. Leave overnight at room temperature.

8. Remove filter and rinse for 5' in 2 x SSC.

9. X-link filter in Stratalinker.

10. Either use immediately or store at room temperature between whatman filter paper.

**20 x SSC (2L)**

<table>
<thead>
<tr>
<th>Component</th>
<th>Amount</th>
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<tbody>
<tr>
<td>3 M NaCl</td>
<td>351 g</td>
</tr>
<tr>
<td>0.3M sodium citrate</td>
<td>176 g</td>
</tr>
<tr>
<td>pH to 7.6 with HCl</td>
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