SOUTHERN BLOTTING

1. Run DNA on gel.

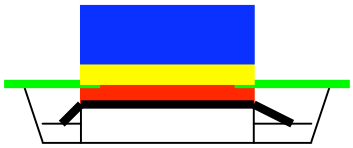
2. Photograph gel.

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:



blotting platform

whatman paper wick

gel

saran wrap around edge of gel

Nytran

paper towels

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)

3 M NaCl	351 g
0.3M sodium citrate	176 g
pH to 7.6 with HCl	