

Removal of ³²P-labeled Probes from GeneScreen *Plus* Membranes

Reference:

- The July 1985 manual for GeneScreen *Plus*

Solution:

- 0.01 % SDS, 0.01 X SSC (Need: 1 L per membrane to be stripped)
for 1 L
1 ml 10 % SDS
0.5 mls 20 X SSC

Procedure:

1. Heat the 0.01 % SDS, 0.01 X SSC solution to boiling on a hot plate.
2. Unwrap the GeneScreen *Plus* membrane. Place in a clean pyrex dish that is only slightly larger than the size of the membrane.
3. Immediately cover the membrane with ~200 mls of boiling 0.01 % SDS, 0.01 X SSC solution.
4. Shake for 2 minutes. Pour off the solution.
 - If the blot is just above background, the solution can be poured down the sink drain.
 - If the blot is still hot, the first wash should be collected into the container for ³²P containing aqueous solutions.
5. Repeat steps 3 and 4 a total of 5 times.
6. Remove the membrane. Check the membrane with a hand held Geiger counter. Most of the ³²P should have been removed.
7. Wrap the membrane in saran wrap and store at -20°C. The membrane is ready to be hybridized again.

NOTES:

- Do not let the blot dry out at any point during this procedure. If the blot dries out, the probe will become irreversible bound to the membrane.
- It is important not to let the solution of the pyrex dish cool down during the stripping process. It is important to adhere to the 2 minutes each wash.