

## Hybridization

Prehybridization Solution = 60 ml

6x SSC  
5x Denhardts  
0.5% SDS  
100 µg/ml denatured DNA  
50% formamide

20x SSC stock = 15 ml  
50x Denhardts = 5 ml  
10% SDS = 2.5 ml  
10 mg/ml DNA = 0.6 ml  
100% formamide = 30 ml  
ddH<sub>2</sub>O 12.5 ml

Hybridization Solution = 100 ml

6x SSC  
0.5% SDS  
100 µg/ml denatured DNA  
50% formamide

Formamide Preparation

3 g of resin beads per 30 ml of formamide  
Stir 1 hr  
Filter through Whatman 1 paper

First Wash Solution

2x SSC  
1% SDS

30 ml per wash  
Empty hybridization solution  
Wash 20 min in bottle at 50C  
Wash 2x

Third Wash

0.5x SSC  
1% SSC

Stripping Solution