

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
ddH₂O 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