

Southern solutions for hybridization (roller-bottle) oven

Prehybridization: 17.00 ml dH₂O
(30 ml total) 6.00 ml (50%) Dextran sulfate
 2.25 ml (20x) SSPE
 3.00 ml (10%) SDS
 1.50 ml (10%) non-fat dry milk dissolved in water {Blotto}
 0.06 ml (1000x) yeast total RNA or (1000X) salmon sperm DNA

Hybridization: 2.9 ml dH₂O
(5 ml total) 1.0 ml (50%) Dextran sulfate
 380 **ul** (20x) SSPE
 500 **ul** (10%) SDS
 250 **ul** (10%) non-fat milk {Blotto}
 5 **ul** (1000x) yeast total RNA or (1000X) salmon sperm DNA

Add approx. **5 x 10⁶ cpm** of labeled probe (1 million counts per ml). Above solutions can be used when probe is either radiolabeled oligonucleotide or denatured DNA.