

Slide Processing Protocols

Prehybridization

Immobilization

1. Rehydrate arrays by holding slides (array side down) over a bath of hot double distilled H₂O (90°C) for approximately 3 sec until a light vapor film is observed across the slide.
 2. Snap-dry each array (array side up) on a 100°C hot plate for approximately 5 sec.
 3. UV cross-link DNA to the slide by using a UV crosslinker (150 to 300 mJoules) or by baking the array at 80°C for 2 to 4 hours.
-

Slide pre-hybridization

1. Bake the slides at 65°C, 10 min right before prehybridization.
 2. Incubate slides in 3XSSC, 0.1 % SDS, 0.1 mg/ml BSA in a Coplin jar for 30 minutes to 1 hour at 50°C.
 3. Wash the slides by immersing in water followed by isopropanol.
 4. Dry slides using a centrifuge or blow-dry using compressed N₂.
-

Store slides in the slide container in a desiccator at room temp. For use at a later date.