



# Baylor College of Medicine Microarray Core Facility

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## Hybridization

1. Resuspend probe in 10 ul DEPC treated water
2. Mix the two probes (Cy3 and Cy5)
3. Denature probe at 95°C for 2 minutes.
4. Add 6.6 ul of Warm (70°C) Hybridization Buffer (Ambion SlideHyb™ #3) into the tube and resuspend by pipeting up and down a few times.
5. Place 10 ul of Hybridization Buffer (5X SSC, 0.2% SDS) to chamber of hybridization cassette
6. Take plastic off of cover slip (on both sides) and place it on the corner of a slide box. Pipet warm probe onto the coverslip in three drops across the coverslip.
7. Cover quickly with array. (NOTE: Make sure that when you place the array onto the coverslip it is the array side DOWN. In other words, make sure the bar code is facing DOWN when you place it on the coverslip.)
8. Place Array (coverslip up, barcode up) into the Hybridization Cassette and tighten lid. Incubate at 55°C in a water bath (covered from light) for at least 2 hours.