

POPO3 DNA Staining for Microarray Slides

1. Dilute POPO –3 iodide(P-3584 1mM solution in DMSO, Molecular Probes) in TE (Tris EDTA pH 7.5) by adding 3 µl of POPO (aliquoted in –20 C freezer in D228) to 30 ml of TE in a suitable holder, a pipette tip box top works well for 1-2 slides at a time. Mix well. Several slides may be stained with this solution, make fresh each day.
2. Submerge the slide into diluted POPO3, be sure the slide is completely covered with the solution. Incubate in the dark for 5 minutes.
3. Wash the slide in TE for 2 minutes.
4. Repeat step 3.
5. Wash the slide in dH2O for 2 minutes.
6. Repeat step 5.
7. Centrifuge the slide at 1000 rpm for 3 minutes to dry.
8. Scan the slide using the Cy3 channel of the scanner at 450 Volts.