

2X FMB Oligo Printing Buffer

Catalog number: SPB01, 02, 03

Overview

FMB Oligo Printing Buffer is designed for dissolving oligonucleotides used to fabricate oligo microarrays. The buffer is suitable for printing oligo arrays on a variety of oligo substrates/slides. It has been optimized to maximize the performance of Full Moon BioSystems's PowerMatrix Slides for Oligo Arrays. The buffer works to enhance spot morphology, increase oligo attachment efficiency, and reduce the rate of sample evaporation.

Component: Oligo Printing Buffer

Storage condition: Room temperature

Protocol

The recommended concentration of oligos in printing buffer: 0.5 – 1.0 µg/µL.

1. Calculate the amount of oligo printing buffer needed for the experiment.
2. Aliquot the appropriate amount of 2X FMB Oligo Printing Buffer.
3. Dilute the aliquoted *2X FMB Oligo Printing Buffer* with equal amount of DNase-free water to make 1X Oligo Printing Buffer.
4. Dissolve target oligos in 1X Oligo Printing Buffer to a final concentration of 0.5 – 1.0 µg/µL.
5. Transfer the targets in printing buffer to a 96 or 384 spotting plate with ~20 µL/well.
6. Gently shake the plate to bring liquids to the bottom of wells, or quickly centrifuge the plate.
7. Set up array spotter and printing slides according to manufacturer's protocol.