

Electronic Supplementary Material (ESI)

Measurement of small molecule diffusion with an optofluidic silicon chip

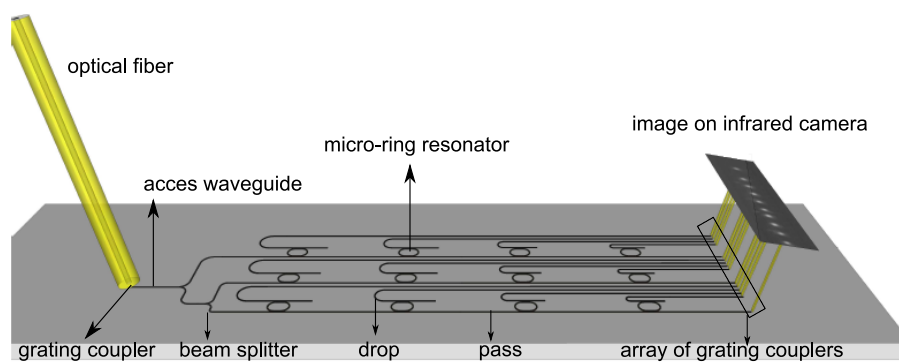


Figure 1: Optical read-out system and SOI design.

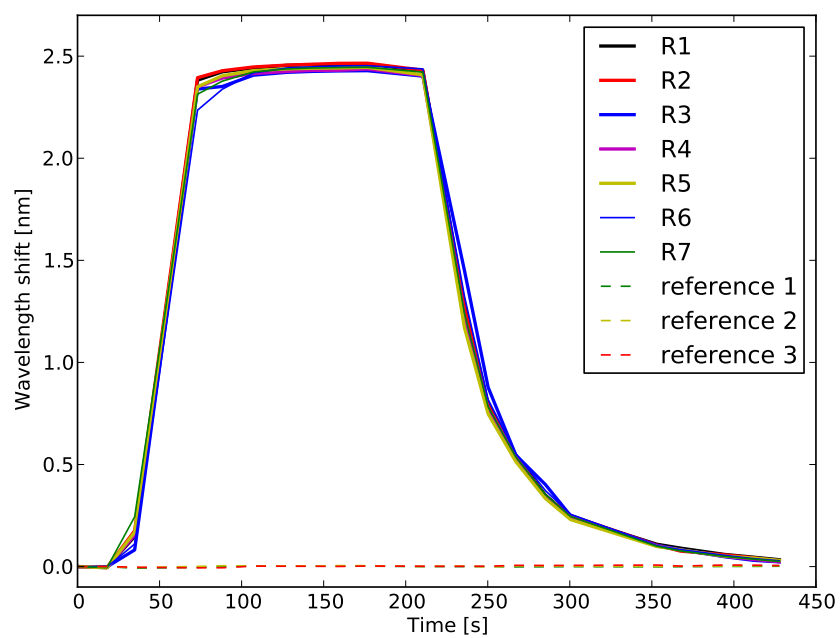


Figure 2: Shift in resonance wavelength due to the presence of glucose with a concentration of 300g/L for a set of seven ring resonators embedded in the microfluidic channel and 3 reference ring resonators outside the microfluidic channel.

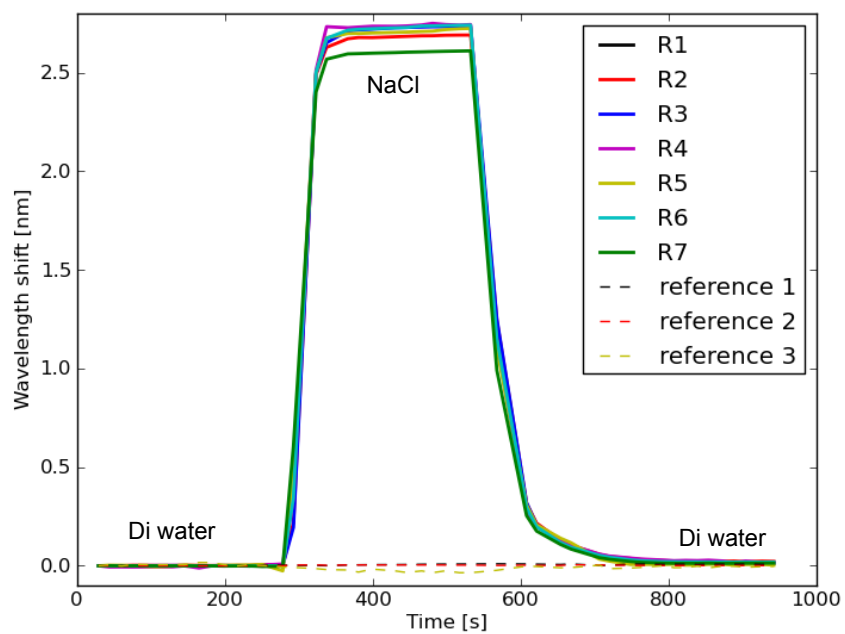


Figure 3: Shift in resonance wavelength due to the presence of NaCl with a concentration of 300 g/L for a set of seven ring resonators embedded in the microfluidic channel and 3 reference ring resonators outside the microfluidic channel.