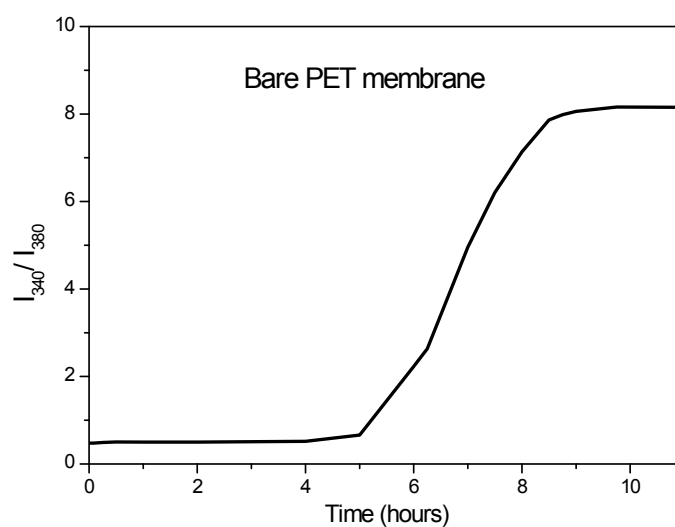


(a)



(b)

Figure S1: (a) Fluorescent intensities in the basolateral compartment of our microfluidic chip: I_{340} is increasing with time and I_{380} shows the opposite trend; (b) is the calculated ratio I_{340}/I_{380} .