

# Polymerized Crystalline Colloidal Array Sensing of High Glucose Concentrations

## **Supporting Information**

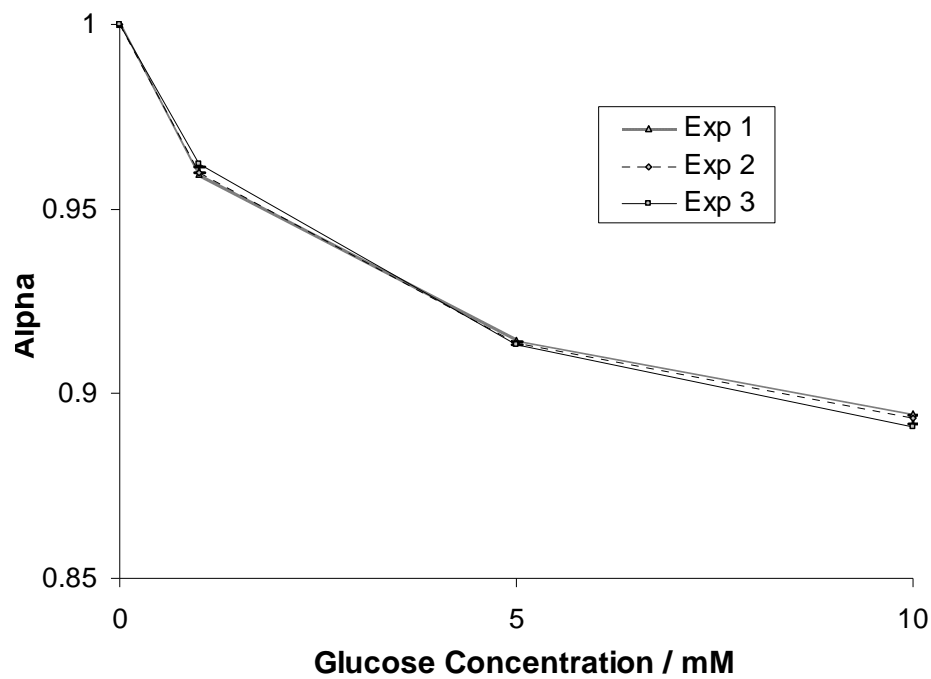
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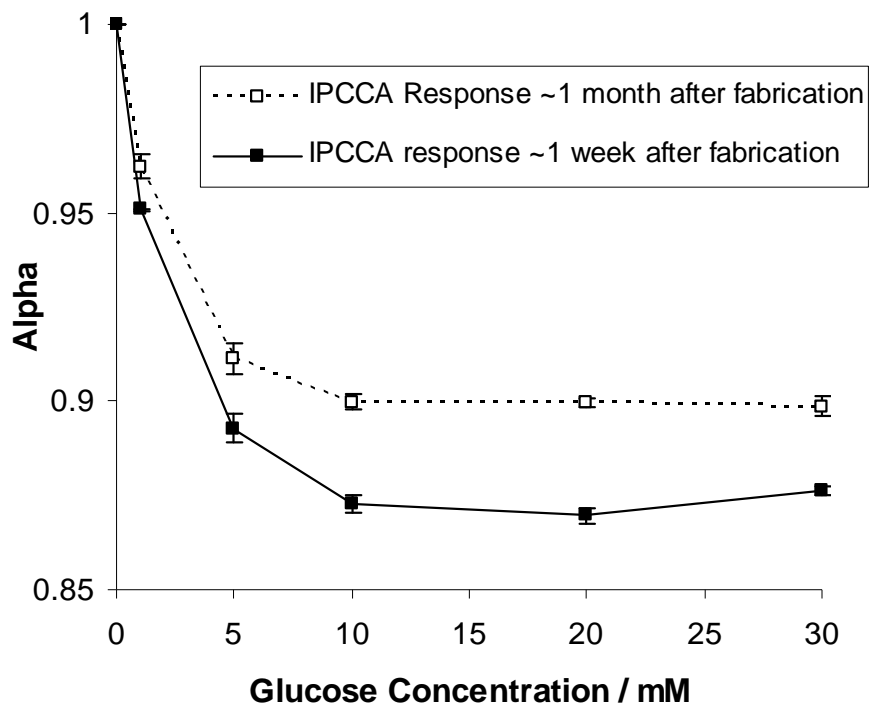
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### **RECEIVED DATE**

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**Figure S-1.** IPCCA response dependence on cycling. The same piece of IPCCA was cycled through three glucose-sensing runs over the course of one week. The sensor response was characterized for 1 mM, 5 mM, and 10 mM glucose, then thoroughly washed with a phosphate buffered saline solution and tested again. The response of the IPCCA was fully reversible, with the greatest variation in diffraction response of  $\pm 1$  nm for the addition of 1 mM glucose, which is three times less than the variation in average diffraction wavelength response observed for three separate IPCCA exposed to 1 mM glucose. (Lines are added to aid the eye.)



**Figure S-2.** IPCCA response dependence on aqueous storage time. After storage in aqueous buffer solution for 1 month, the average response of the IPCCA to 20 mM glucose is decreased by ~23%. (Lines are added to aid the eye.)