

Figure S1. Calibration plot of miR-141 concentration and CA current response. The corresponding CA current response with miR-141 concentration, ranging from 10^{-8} M to 10^{-12} M , producing $R^2 = 0.9951$.

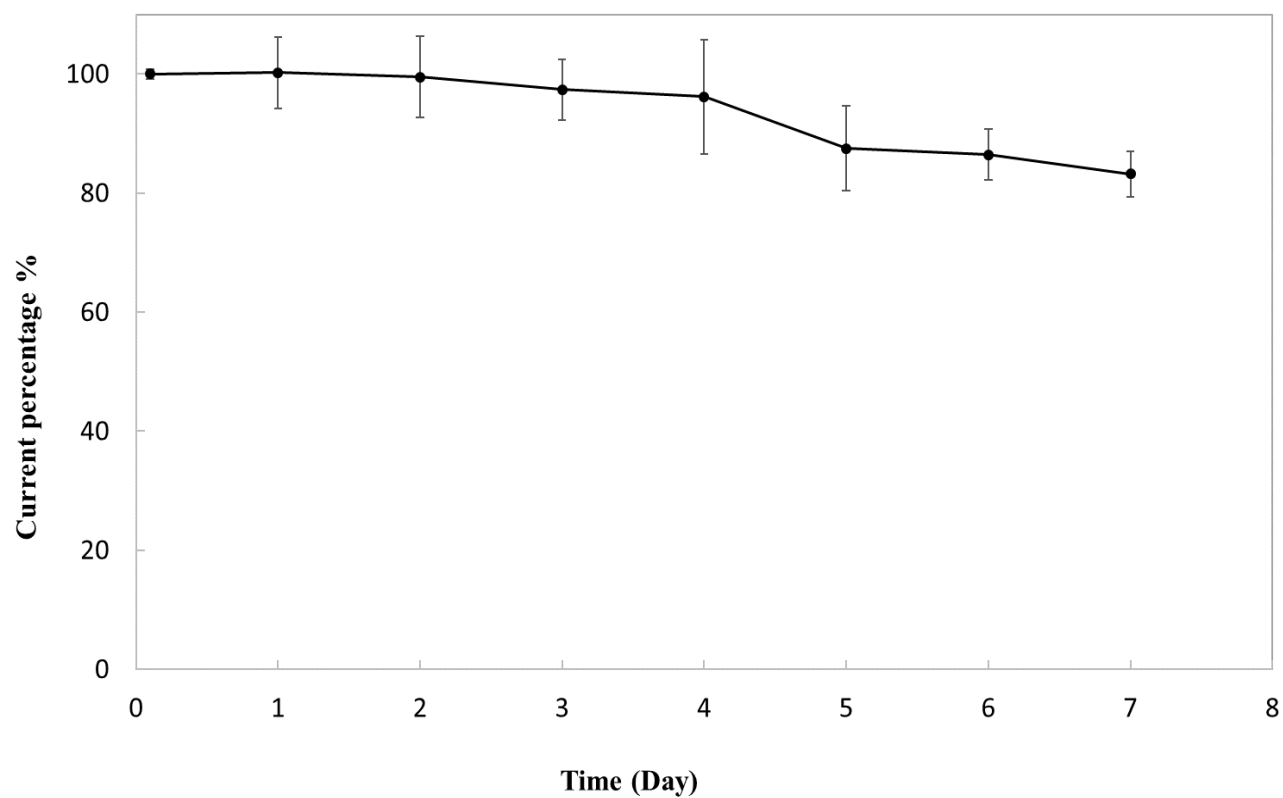


Figure S2. Current reduction over time measured in percentage (denominator being day 0 current response). A steady decline of current response over a seven-day period, maintaining 80% of its original capacity and accuracy.