Electronic Supplementary Material (ESI) for Analyst.

Supplementary Data

Sensitive and Non-invasive Cholesterol Determination in Saliva via Optimization of Enzyme Loading and Platinum Nano-cluster Composition

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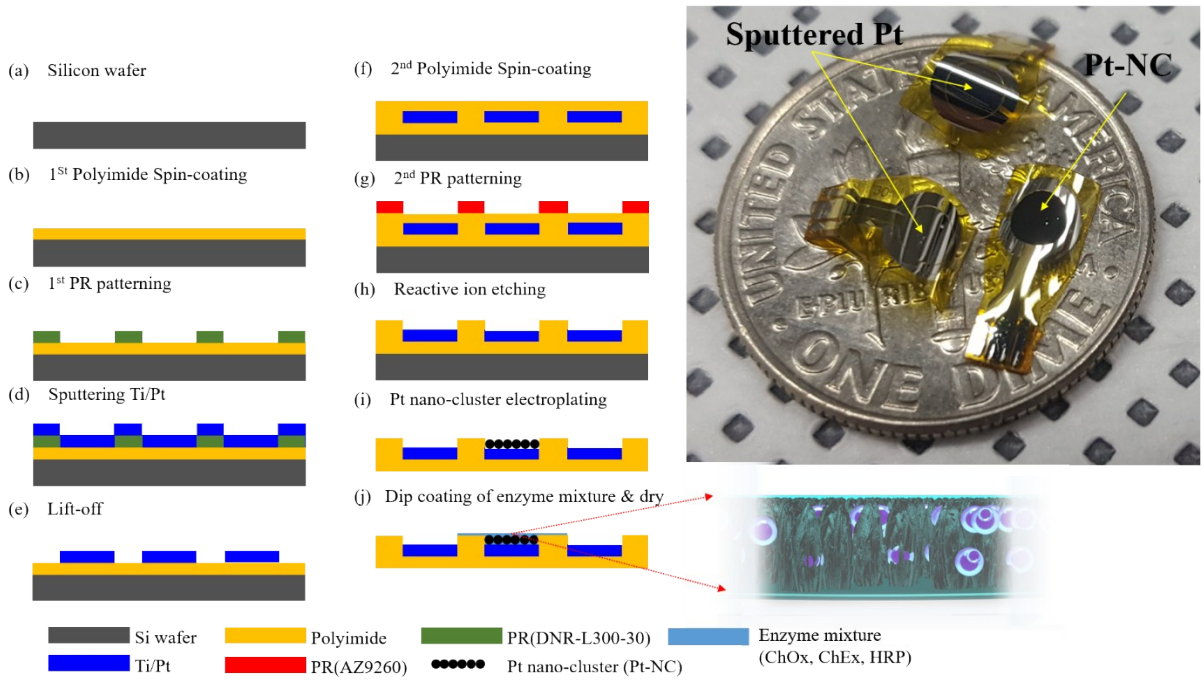

Fig. S1. Schematic illustration for the fabrication process of cholesterol sensor with Pt nano-cluster electrode (left) and photograph image of fabricated sensor (right).

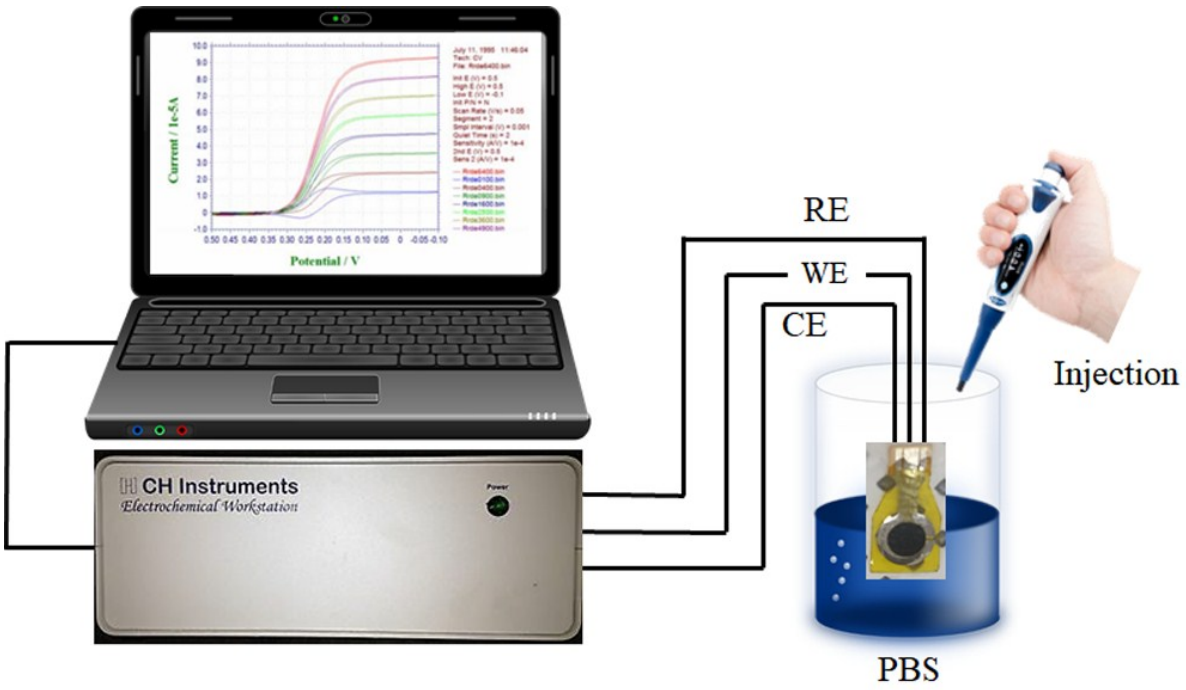

Fig. S2. Schematic drawing of the experimental setup.

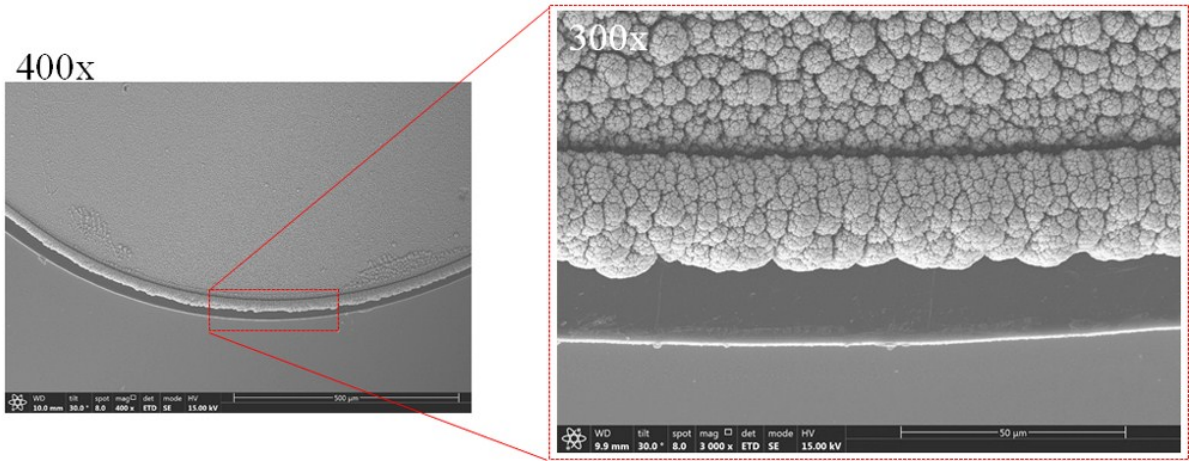

Fig. S3. SEM image between working electrode and counter electrode with electroplated 500 s.

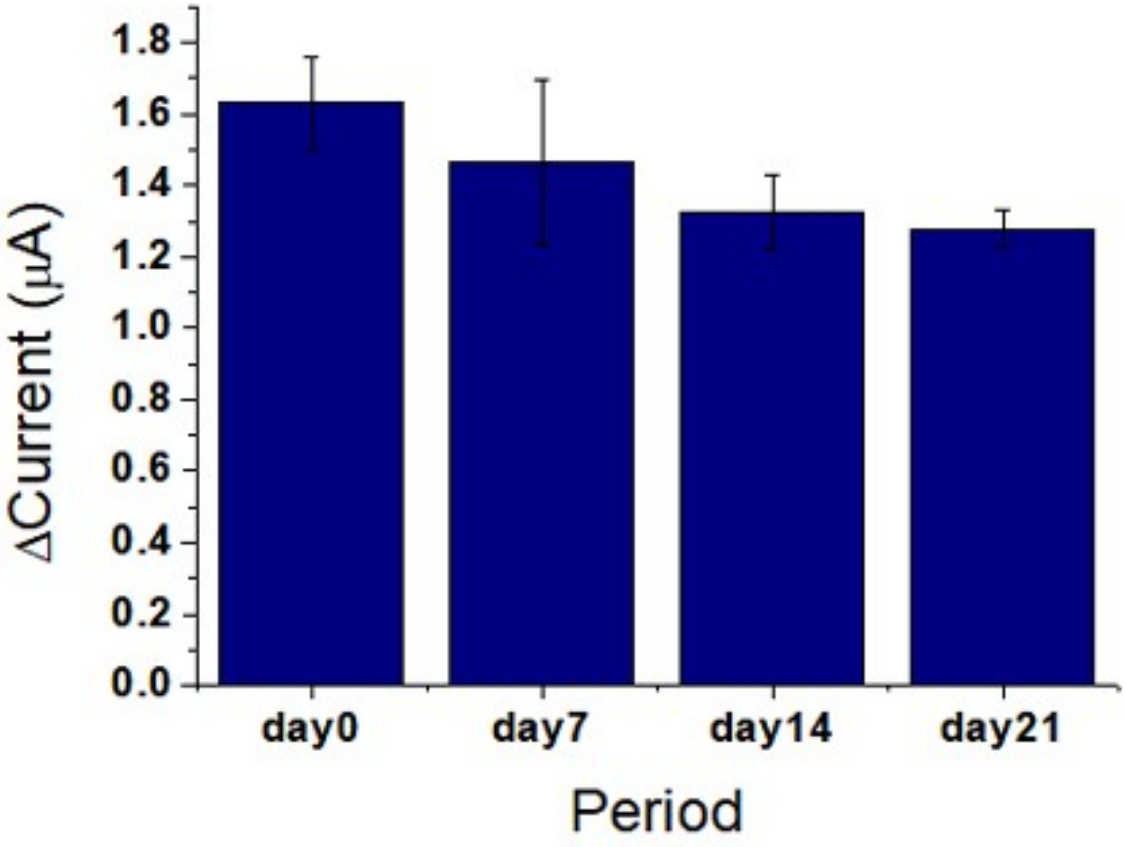

Fig. S4. Long-term stability test for sensor with Pt nano-cluster/enzyme/Nafion (n=3). The sensor was stored in 0.1 M PBS (pH 7.4) at 4 ℃.