

Mussel-Inspired Fabrication of SERS Swabs for Highly Sensitive and Conformal Rapid Detection of Thiram Bactericides

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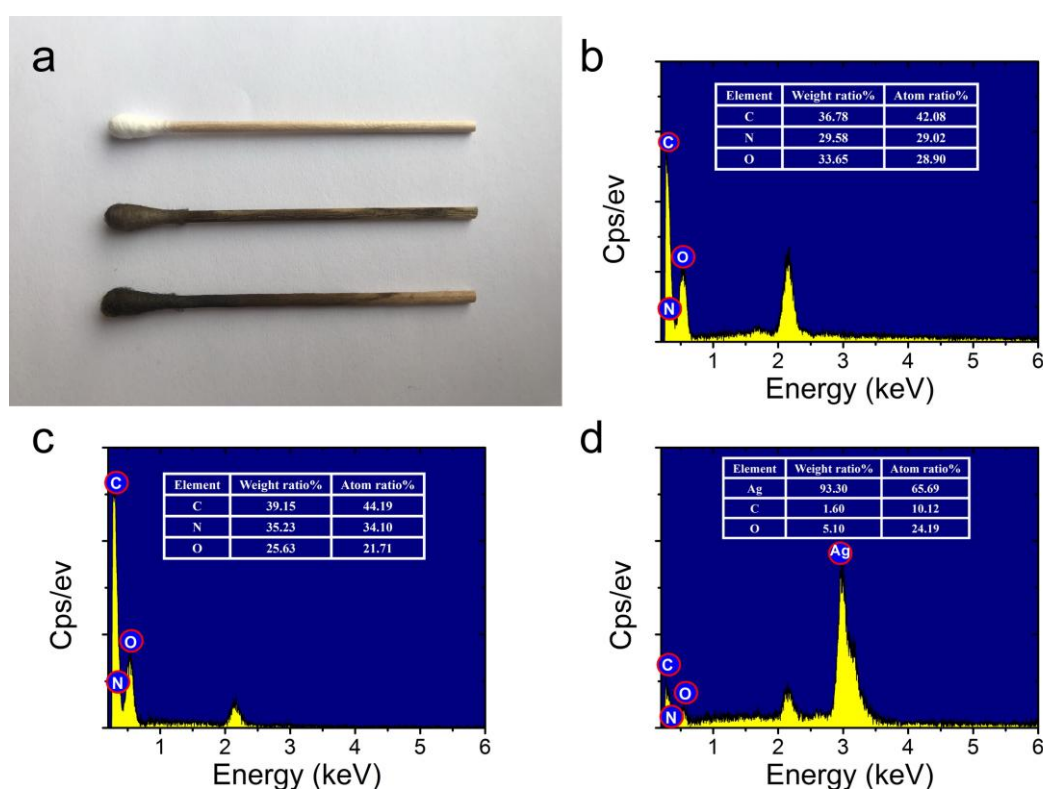


Figure S1. (a) Optical images of the original cotton swabs, CS@PDA swabs and CS@PDA@AgNPs swabs. The responding EDS spectra of (b) the original cotton swabs, (c) the CS@PDA swabs and (d) the CS@PDA@AgNPs swabs respectively.

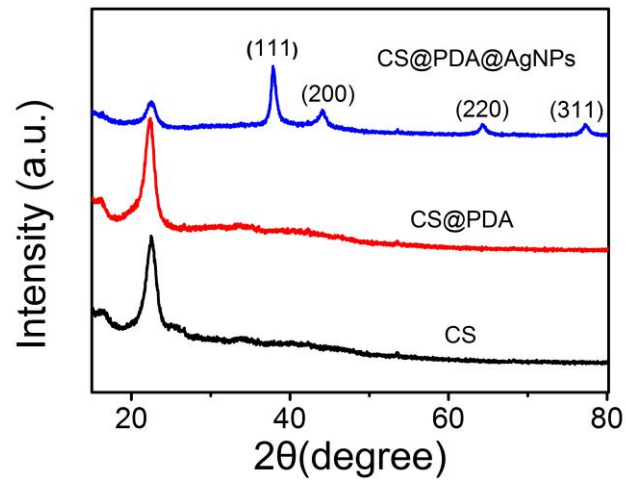


Figure S2. XRD of the original cotton swabs, CS@PDA swabs and CS@PDA@AgNPs swabs.

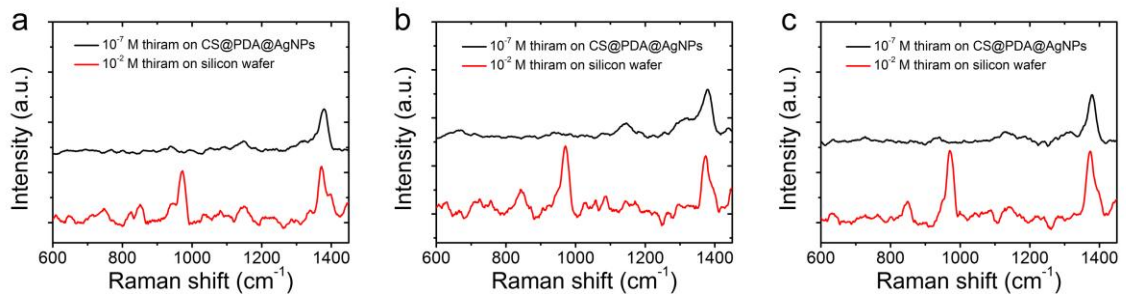


Figure S3. SERS spectra (black) of thiram on the CS@PDA@AgNPs swabs collected from (a) pears, (b) grapes and (c) peaches surface, and the Raman spectra (red) of thiram on silicon wafer substrate.