

Supplementary Information:

Layer-by-layer Assembly of Polystyrene/Ag for a Highly Reproducible SERS Substrate and Its Use for the Detection of Food Contaminants

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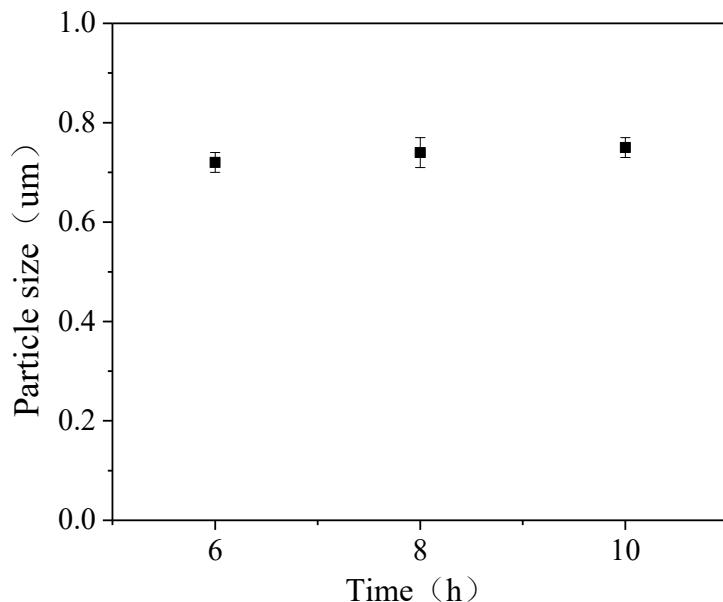


Figure S1. Relation of sphere particle size and reaction time.

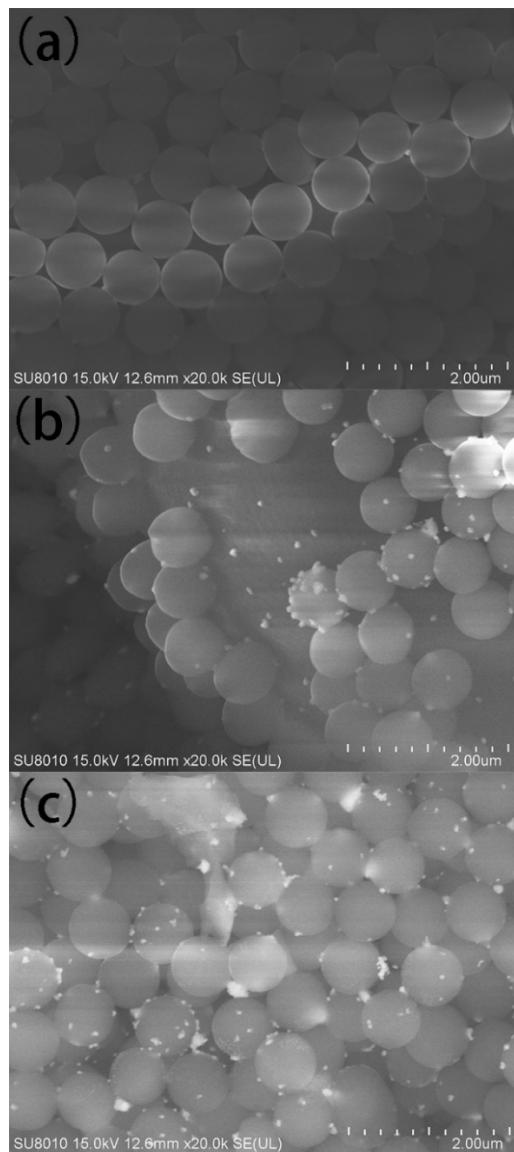


Figure S2. SEM images of colloidal PS/Ag with different volume of PS colloid, 400 μL (a), 100 μL (b), 50 μL (c).

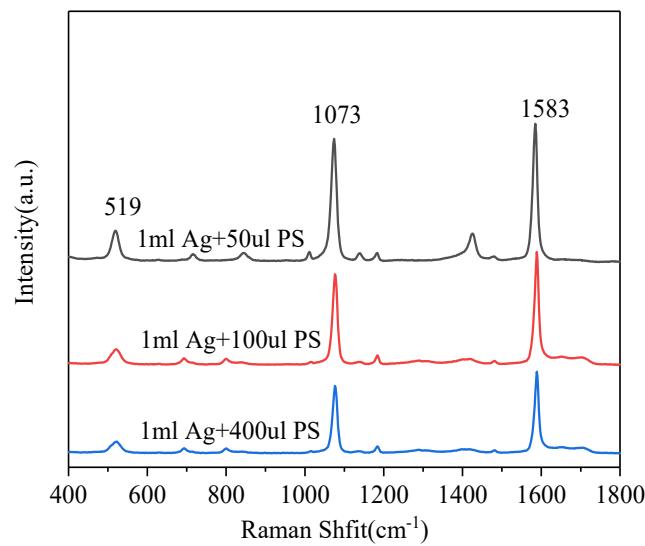


Figure S3. Raman spectra of MBA (100 ppm) on colloidal PS/Ag composites with different volumes of PS colloid.

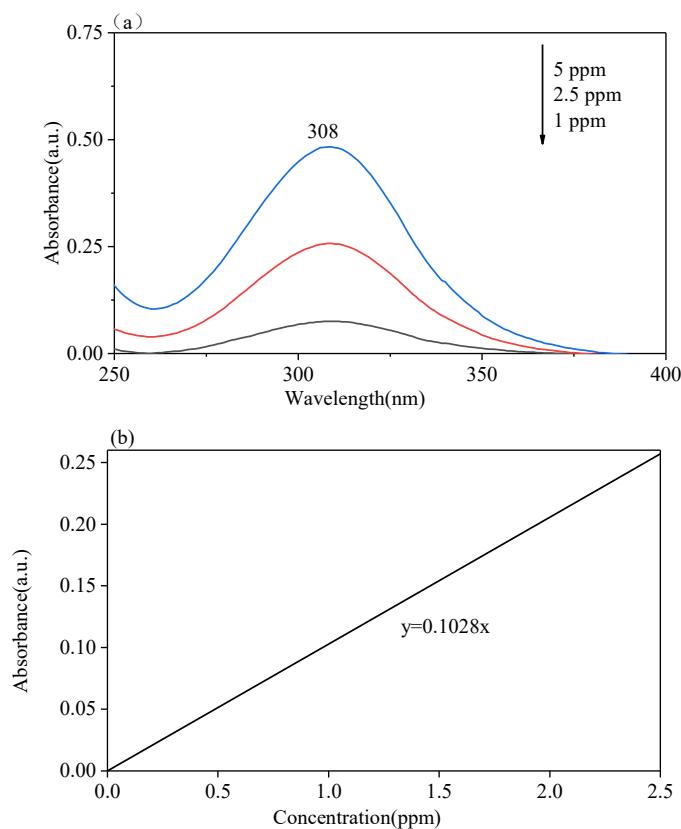


Figure S4. UV-vis spectra of different concentrations of DMZ(a), and the linear relationship between concentration and absorbance (b).

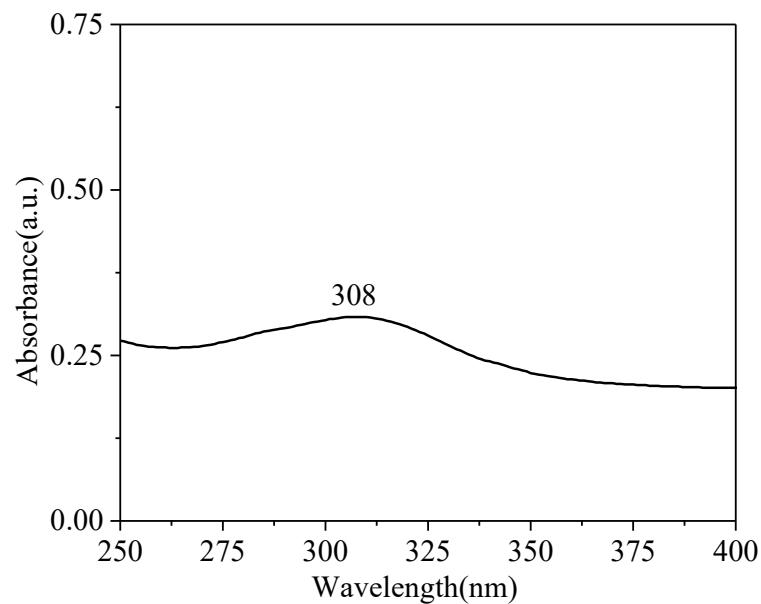


Figure S5. UV-vis spectra of DMZ (100 ppm) from real pork sample after 100-fold dilution.

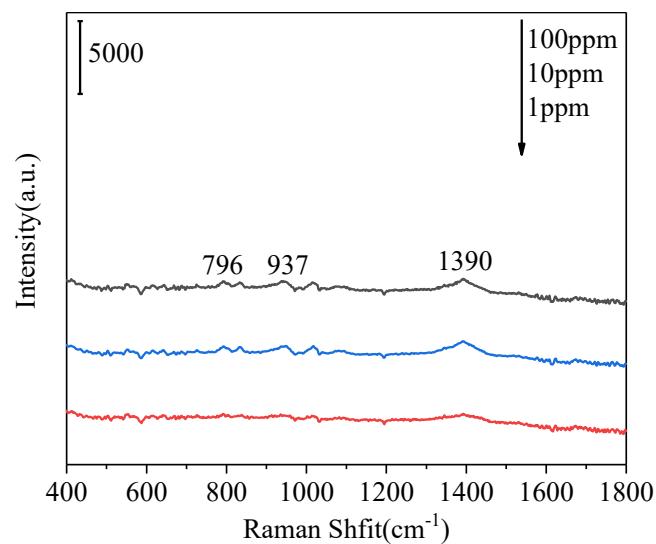


Figure S6. Raman spectra of different concentrations of DMZ from pork after washing with water.