

Supporting information



mirror formation.QT

Video 1. Illustration of AgNP mirror formation.

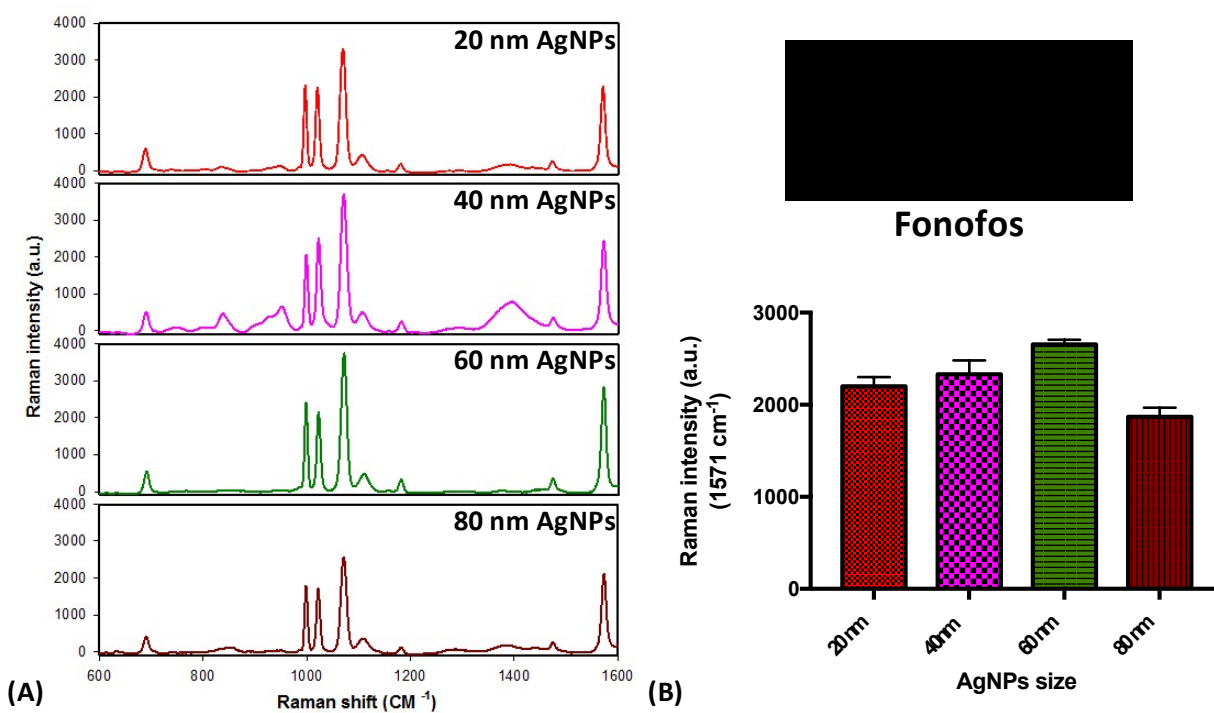


Figure 1. (A) SERS spectra of fonofos at a concentration of 5 ppm on the mirror surfaces were prepared using different sizes of silver nanoparticles. (B) Plots of Raman intensity at 1571 cm⁻¹ of fonofos as a function of silver nanoparticle sizes.

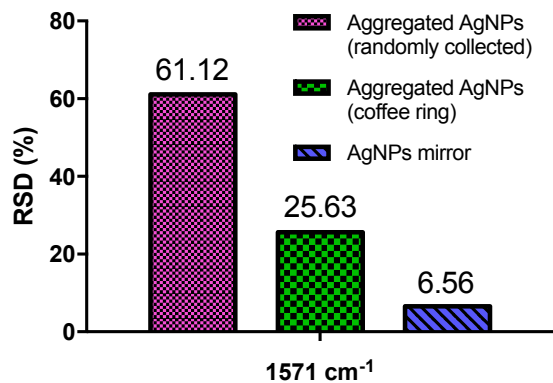


Figure 2. Relative standard deviations of Raman readings at 1571 cm⁻¹ band from randomly collected aggregated AgNPs, coffee ring aggregated AgNPs, and AgNPs mirror.

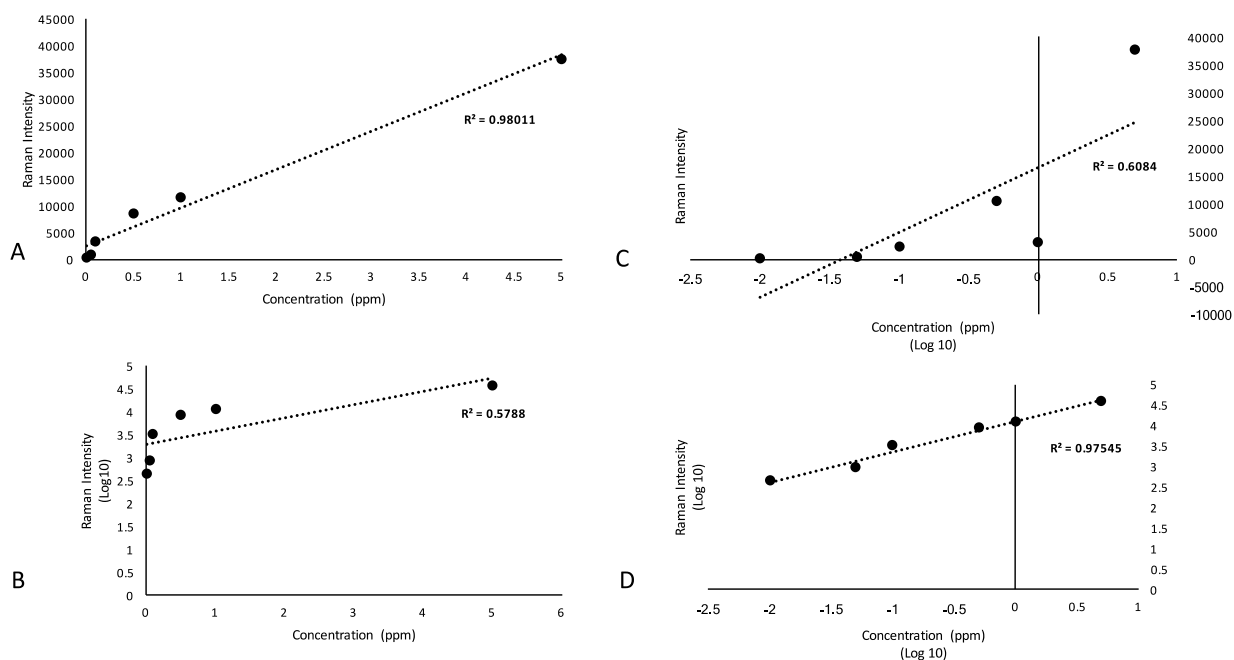


Figure 3. Calibration curve of Raman intensity at 1571 cm⁻¹ plotted as a function of fonofos concentration. A. No logarithmic applied. B. Logarithmic applied to X-axis. C. Logarithmic applied to Y-axis. D. Logarithmic applied to X-axis and Y-axis.

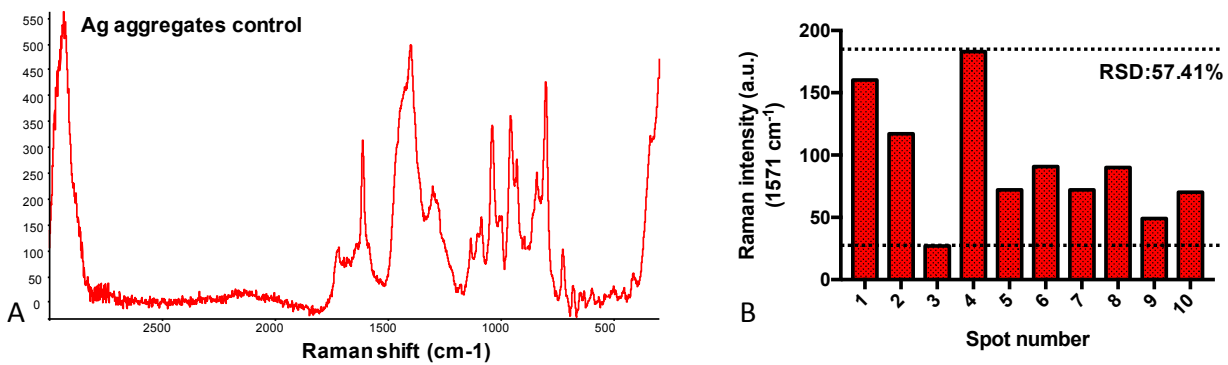


Figure 4. A. Raman spectra of silver aggregates background. B. Raman readings of 10 spots randomly collected from the coffee ring, relative standard deviation is shown.

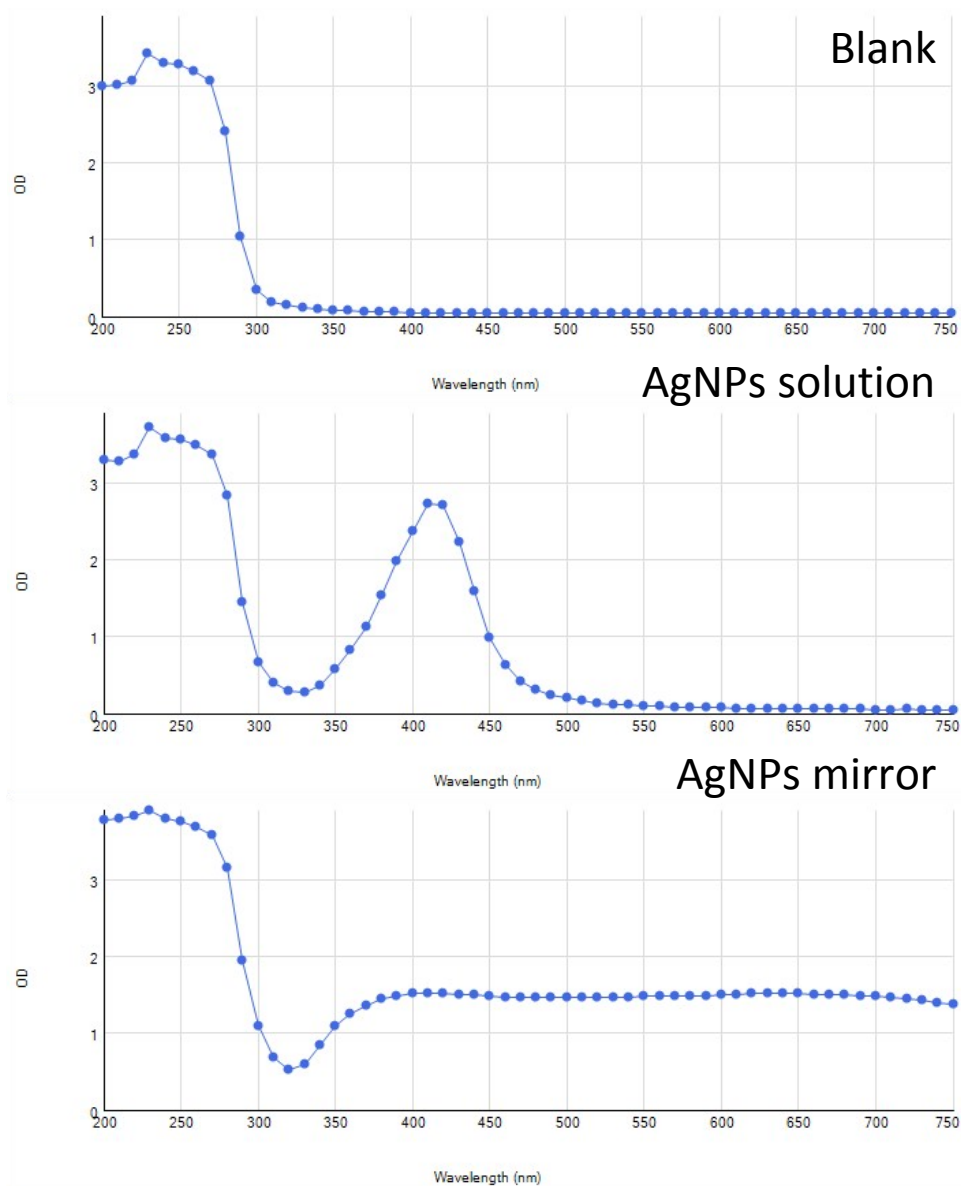


Figure 5. Absorbance spectra of blank, AgNPs solution and AgNPs mirror.

