Supporting Information

Au-coated ZnO Surface-Enhanced Raman Scattering (SERS) Substrates: Synthesis, Characterization, and Applications in Exosome Detection

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**Figure S1.** (a) SERS spectra of three random measurements of N2a on the optimal substrate (b) SERS peak intensity at wavelength 1484cm-1 of the three random measurements of N2a on the optimal substrate.



**Figure S2.** (a) SERS spectra of three random measurements of RAW 264.7 on the optimal substrate (b) SERS peak intensity at wavelength 1612cm-1 of the three random measurements of RAW 264.7 on the optimal substrate.



**Figure S3.** (a) SERS spectra of three random measurements of MCF-7 on the optimal substrate (b) SERS peak intensity at wavelength 1612 cm-1 of the three random measurements of MCF-7 on the optimal substrate