Supplementary Material

Surface-enhanced confocal Raman microscopy to characterize esophageal cancer cell-derived extracellular vesicles and maternal cells

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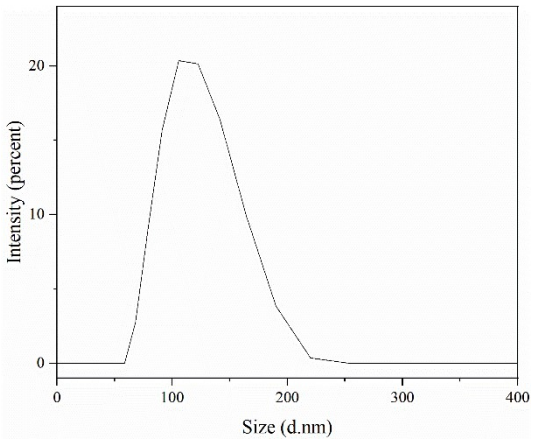


Figure S1. DLS of extracellular vesicles derived from EC109 cells.

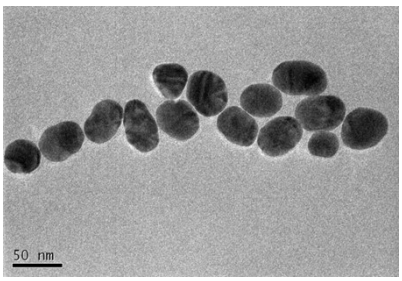
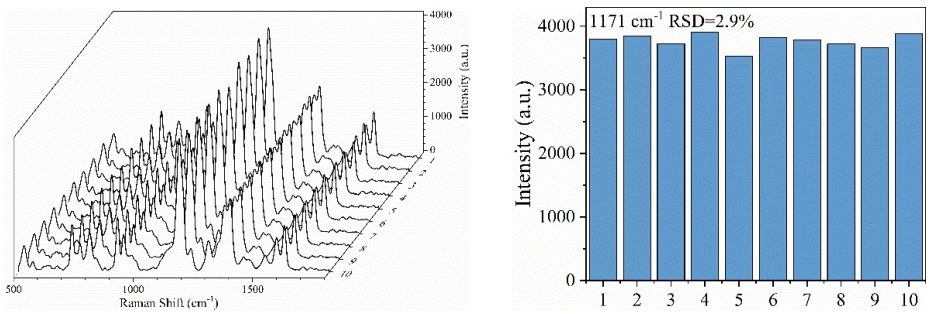


Figure S2. TEM of AuNPs.



(a) (b)

Figure S3. (a) Surface-enhanced Raman scattering (SERS) of crystal violet (CV) amplified using 10 batches of enhanced substrates. (b) Relative standard deviation (RSD) of the characteristic peak intensities of CV at 1171 cm^{-1}.

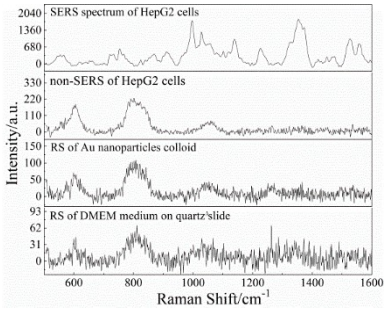


Figure S4. The normal Raman spectroscopy (RS) of HepG2 cells.

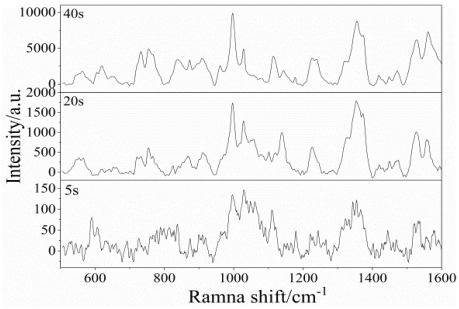


Figure S5. Various integration times employed for SERS detection of adherent HepG2 cells under 1 mW laser power.

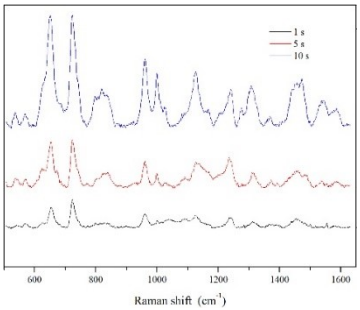


Figure S6. Various integration times used for SERS detection of exosomes.