

# Metal-Enhanced Fluorescence for Alpha-Fetoprotein Detection and for SERS Using Hybrid Nanoparticles of Magnetic Cluster Core—Plasmonic Shell Composite

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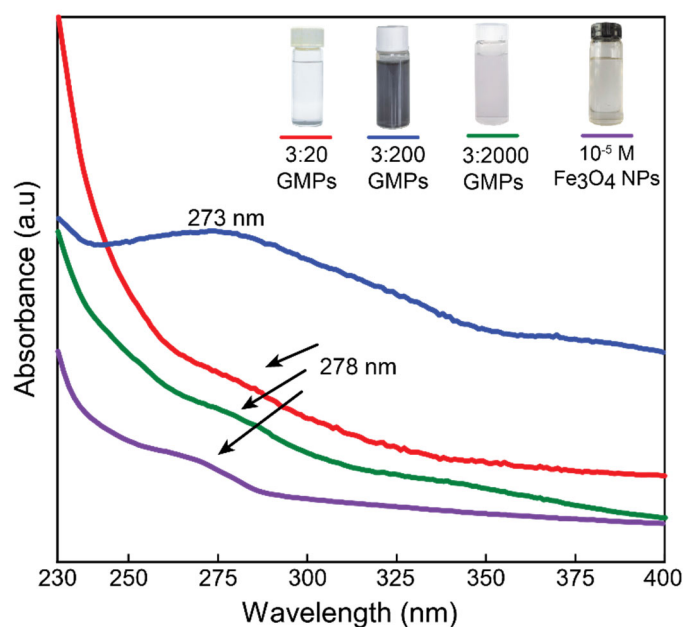
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**Figure S1.** The UV-Vis spectra of  $10^{-5}$  M  $\text{Fe}_3\text{O}_4$  NPs and different ingredients ratio GMPs in the wavelength range from 230 to 400 nm.