Supporting information

for

Chitosan-gold nanoparticles as peroxidase mimic and their application in glucose detection in serum

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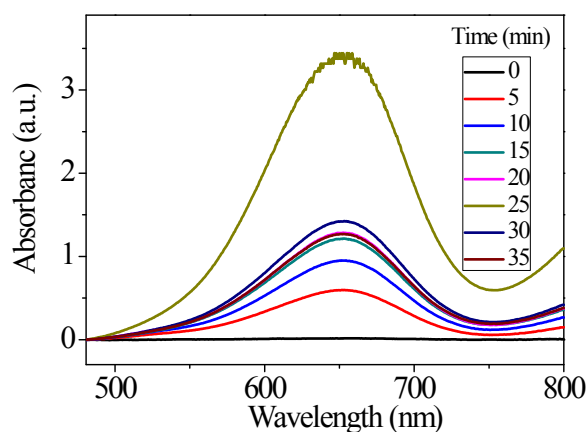*Jiangsu, China, 224051   Email:* cuifengj123@163.com

Figure S1. Absorbance spectrum of TMB+H_2O_2 system in the presence of Chitosan-AuNPs generated at different reaction time.
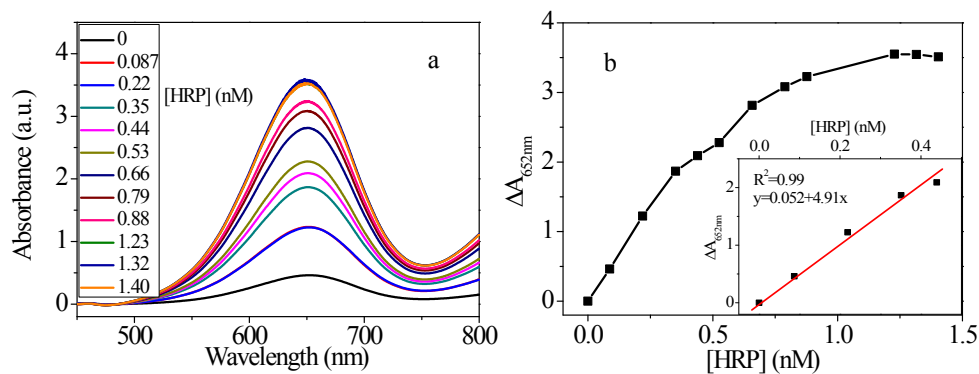

Figure S2. (a) Absorbance spectrum and (b) ΔA of TMB+H_2O_2 system in the presence of different concentration of HRP.
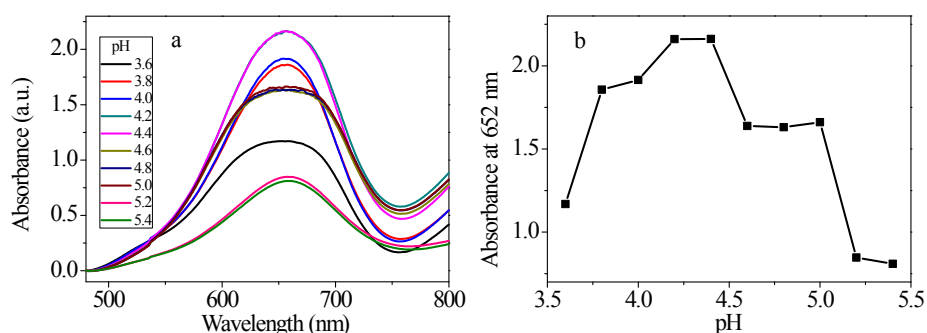
Figure S3. (a) Absorbance spectra of AuNPs+TMB+H2O2 in acetate buffer with different pH (b) Absorbance at 652 nm vs pH .
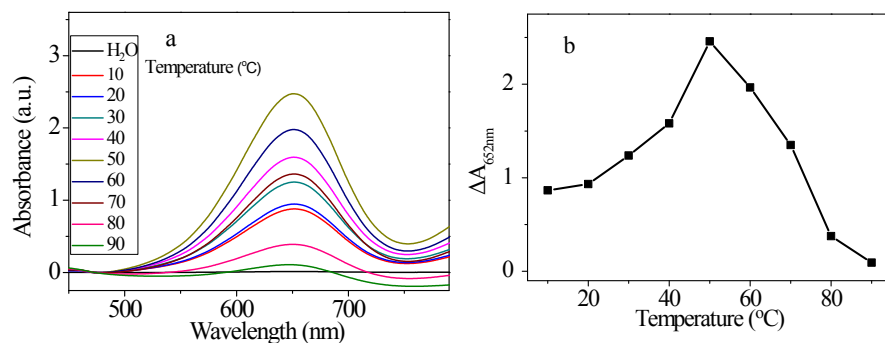

Figure S4. (a) Absorbance spectra of AuNPs+TMB+H_2O_2 under different temperature and (b) ΔA_{652nm} *vs* Temperature.
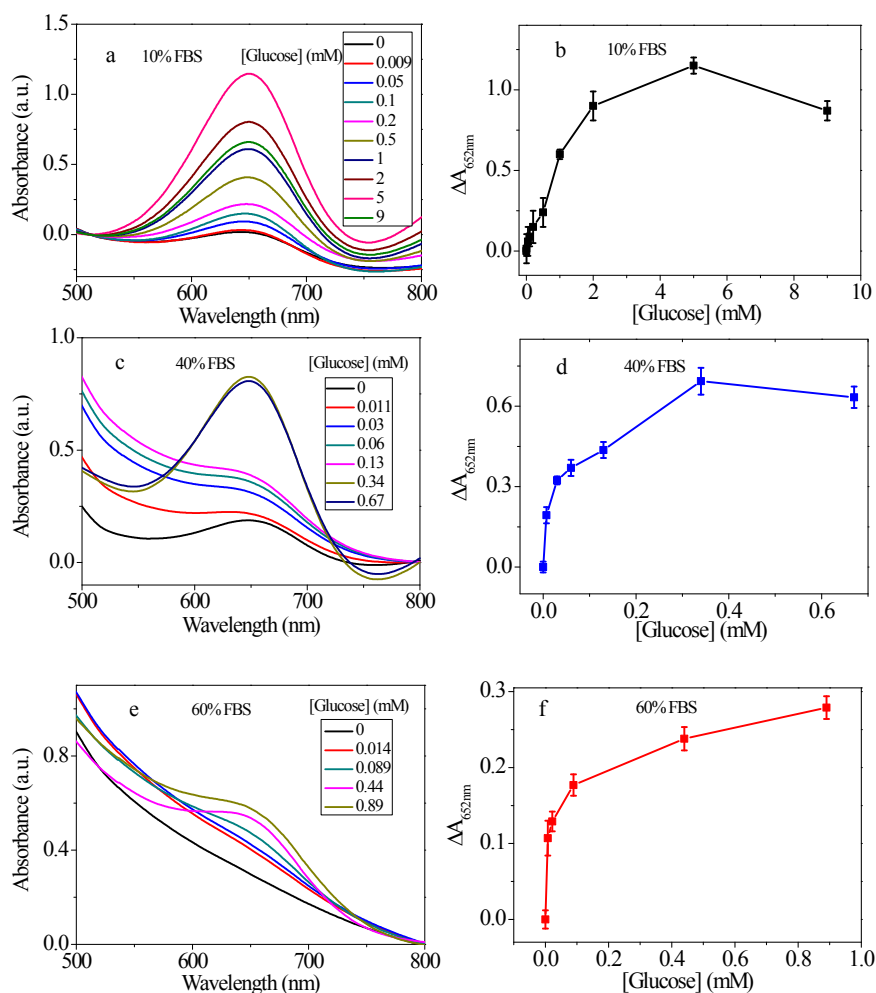

Figure S5. Absorbance spectra (a, c, e) and ΔA_{652nm} *vs* [Glucose] (b, d, f) at different volume ratio (percentage) of serum (a, b) 10%, (c, d) 40%, (e, f) 60%