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time 9 min with inset photographs of corresponding change in color, (B) relationship between absorbance and concentrations of H<sub>2</sub>O<sub>2</sub> with inset calibration plot showing the linear relationship between 0.1 to 0.6 mM with R<sup>2</sup> = 0.997

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Figure 8.12	Selectivity of AuNPs@rGO towards ChO among different analytes present in serum using 50 μL TMB of 0.8 mM, 80 μL AuNPs@rGO, 200 μL NaAc buffer of 0.2 M (pH 4), and 20 μL ChOx of 1 mg/mL	282
Figure 8.13	Repeated experiments for 6 times using 50 μL TMB of 0.8 mM, 80 μL AuNPs@rGO in 200 μL NaAc buffer of 0.2 M (pH 4), 100 μL ChO in Tris-HCl buffer (20 mM, pH 7.0), and 20 μL ChOx of 1 mg/mL (A), reproducibility of samples using same experimental condition	282

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