

Electronic Supplementary Information

Novel colorimetric immunoassay based on enzyme-regulated instant generation of Turnbull's blue for sensitive determination of ochratoxin A

**Wenqiang Lai^{1,*} · Jiaqing Guo² · Qingqing Wu¹ · Yaomin Chen¹ · Quanying Cai¹ · Luxi Wu¹ · Shuhan
Wang¹ · Jun Song² · Dianping Tang³**

¹ Key Laboratory of Modern Analytical Science and Separation Technology, College of Chemistry, Chemical Engineering and Environment, Minnan Normal University, Zhangzhou 363000, People's Republic of China

² Key Laboratory of Optoelectronic Devices and Systems of Ministry of Education and Guangdong Province, College of Physics and Optoelectronic Engineering, Shenzhen University, Shenzhen 518060, P R China

³ Key Laboratory of Analysis and Detection for Food Safety (Ministry of Education & Fujian Province), Institute of Nanomedicine and Nanobiosensing, Department of Chemistry, Fuzhou University, Fuzhou 350108, People's Republic of China

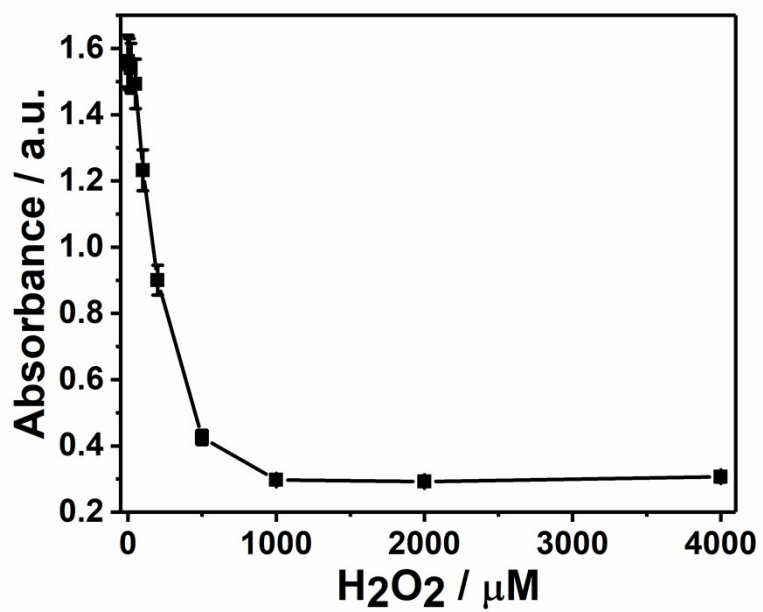


Fig. S1 Absorbance intensity of the Turnbull's blue system toward H₂O₂ standards with various concentrations [1.5 mM K₃[Fe(CN)₆] used in this case].

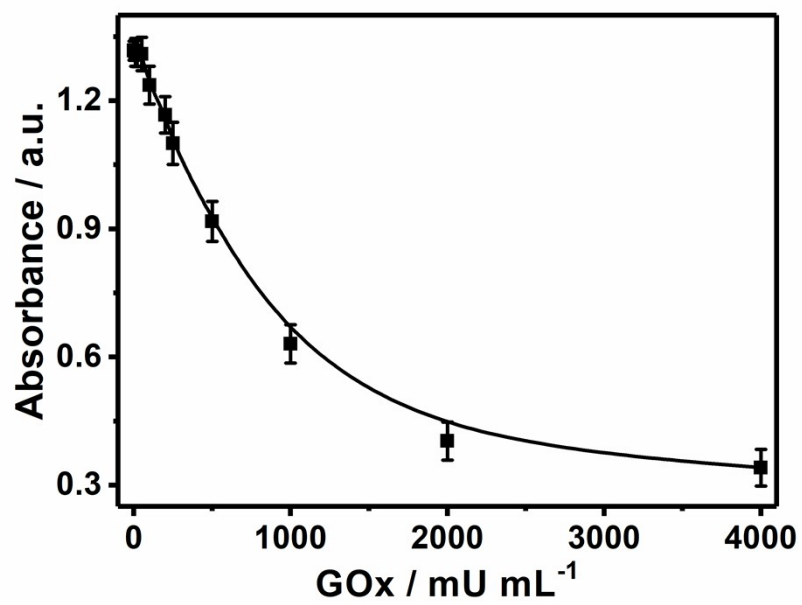


Fig. S2 Catalytic reactivity of the GOx with different concentrations in the Turnbull's blue system.