

Supporting Information

Highly efficient rare earth metal oxide nanorods based platform for aflatoxin detection

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Fig [S1] Effect of amount of Ab-AFB₁ on the amperometric response of BSA/Ab-AFB₁/n-Sm₂O₃/ITO immunoelectrode in PBS (50 mM, pH 6.0, 0.9% NaCl) containing [Fe(CN)₆]^{3-/4-} (5 mM) at 20 mV/s scan rate using CV technique.

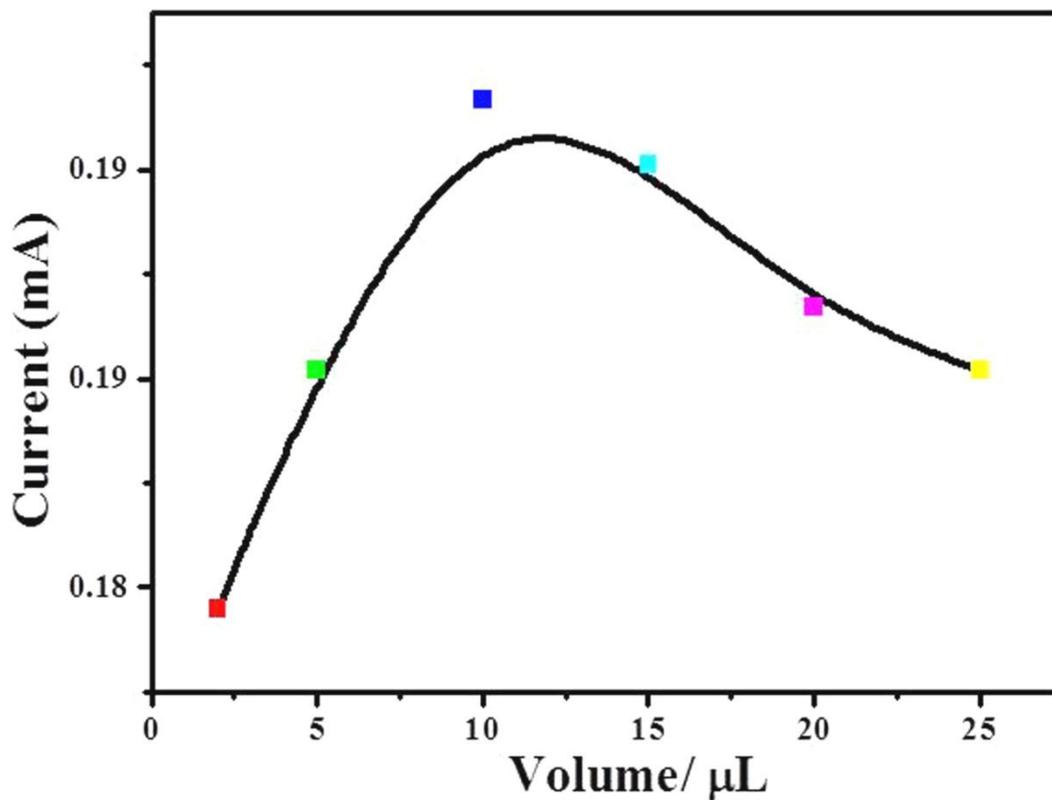


Fig [S2] Effect of amount of BSA on the amperometric response of BSA/Ab-AFB₁/n-Sm₂O₃/ITO immunoelectrode in PBS (50 mM, pH 6.0, 0.9% NaCl) containing [Fe(CN)₆]^{3-/4-} (5 mM) at 20 mV/s scan rate using CV technique.

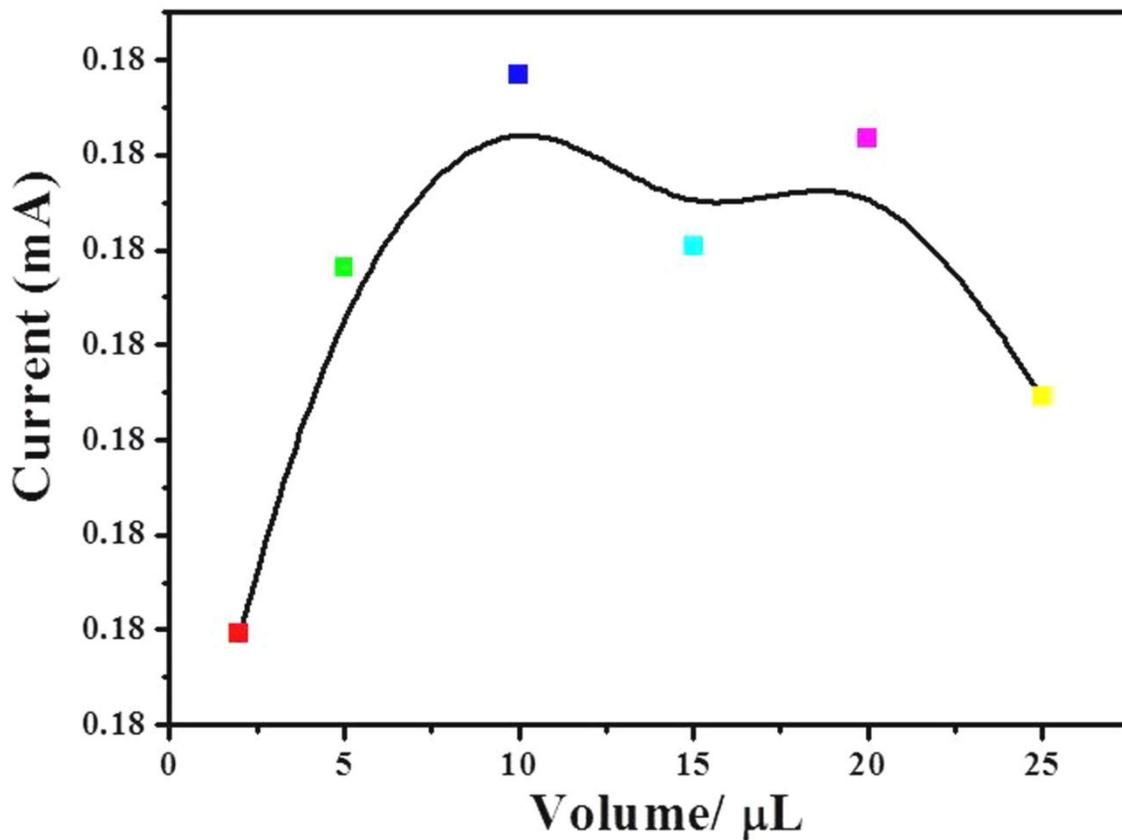


Fig [S3] Magnitude of potential difference as function of scan rate (10–100 mV/s).

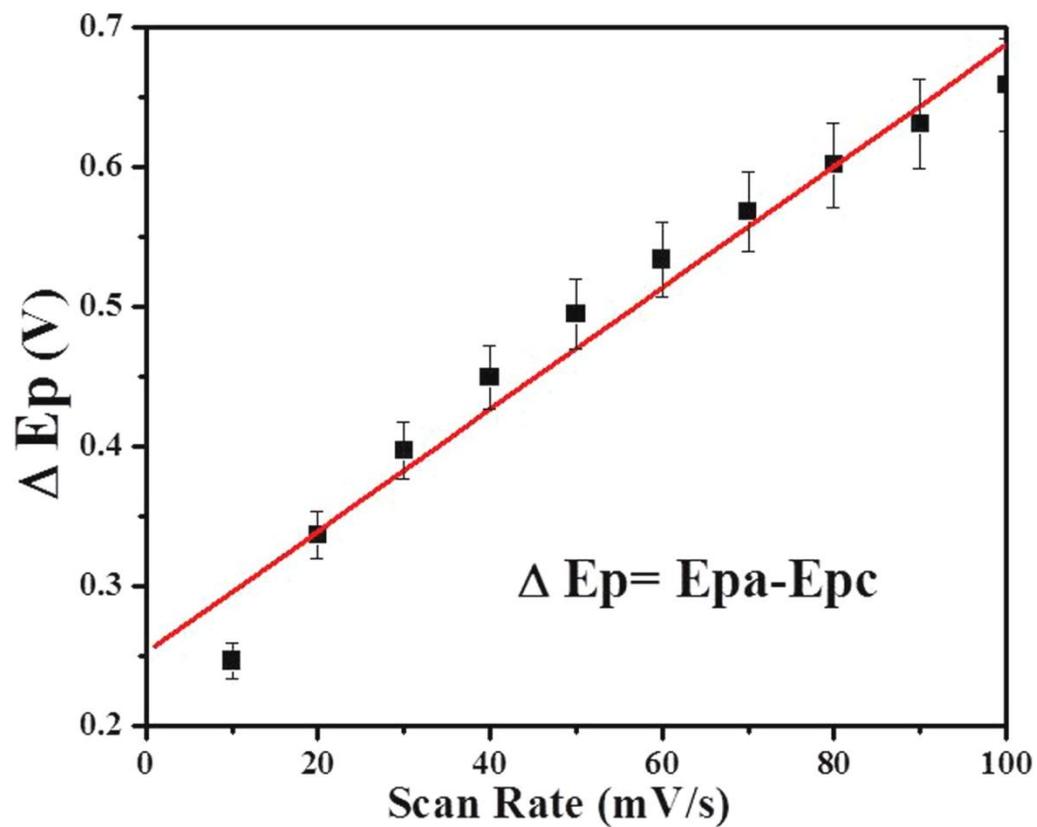


Fig [S4] Interferences studies of BSA/Ab-AFB₁/n-Sm₂O₃/ITO immunoelectrode in presence of ochratoxin-A.

