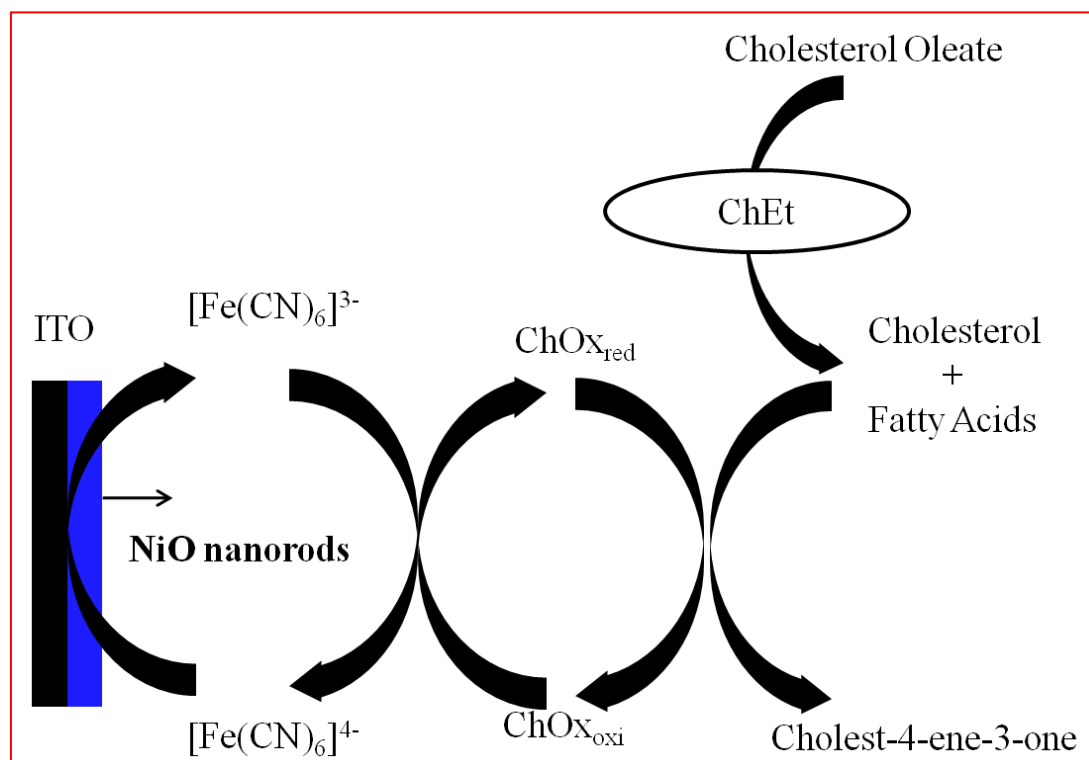# SUPPORTING INFORMATION

Scheme S1 The biochemical reaction for total cholesterol detection based on NRs-NiO
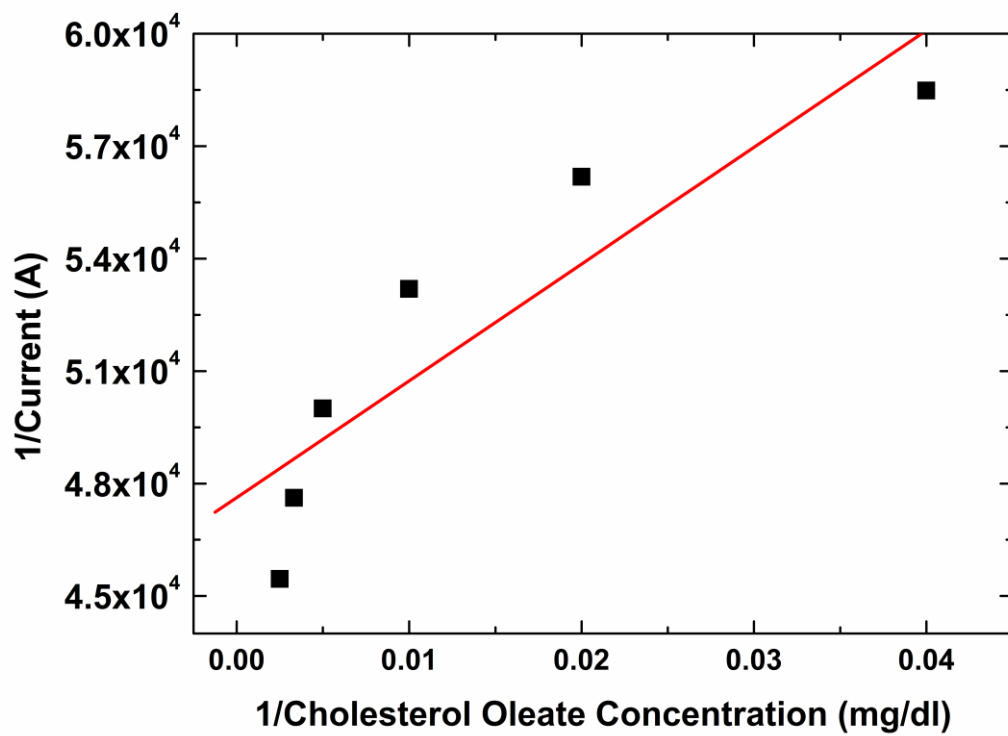
Figure S1 The Lineweaver–Burke plot for estimation of K_m
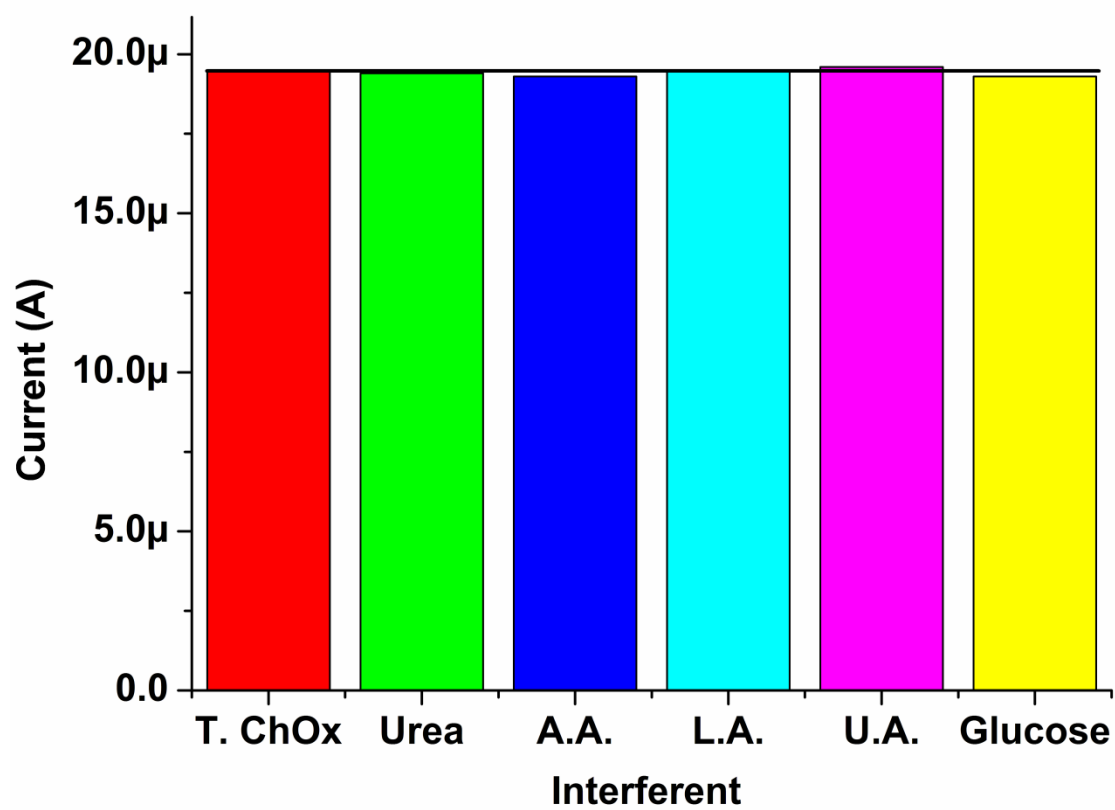
Figure S2 Interferents studies for the ChEt-ChOx/NR-NiO/ITO bioelectrode as a function of different analytes

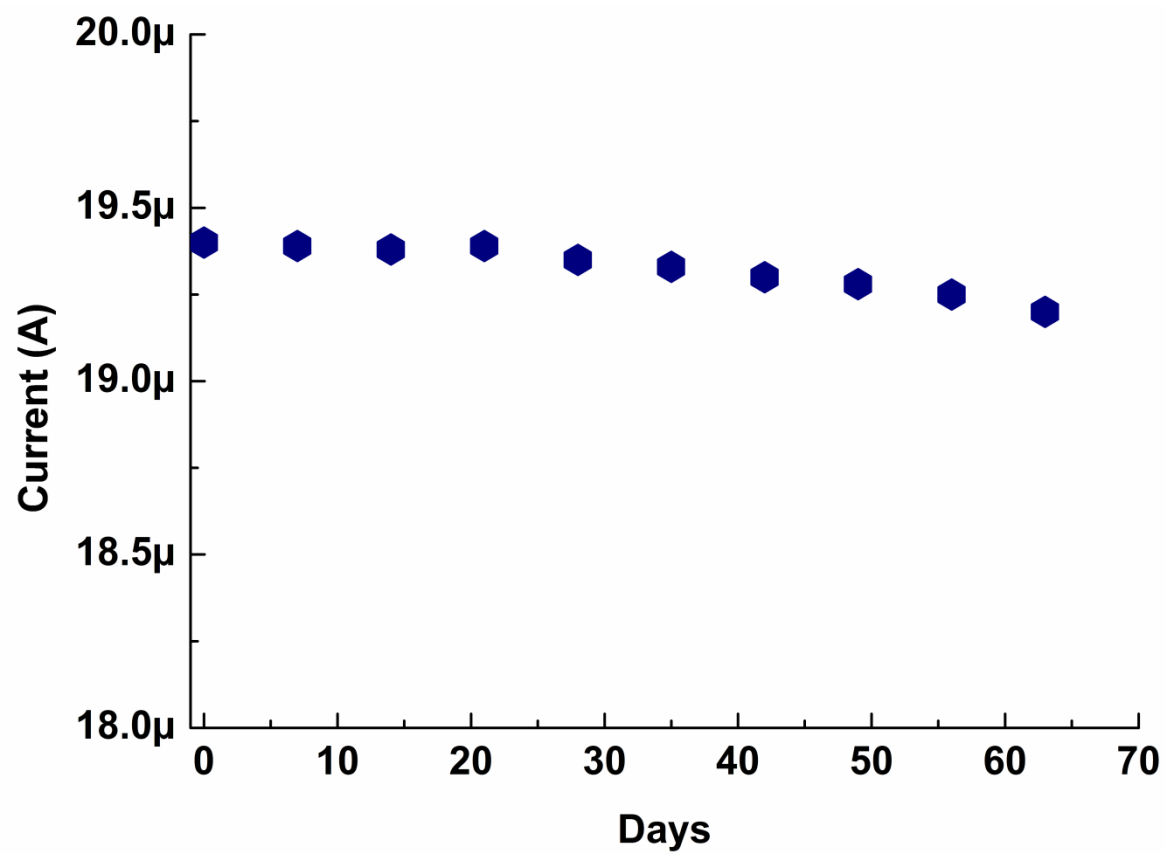**Figure S3** Stability studies of the ChEt-ChOx/NR-NiO/ITO bioelectrode as a function of days