Electronic Supplementary Material for PCCP

Self-assembly and heterogeneous electron transfer properties of metallo-octacarboxyphthalocyanine complexes on gold electrode

Bolade O. Agboola and Kenneth I. Ozoemena*

Department of Chemistry, University of Pretoria, Pretoria 0002, South Africa

Revised manuscript to PCCP (Paper Ref.: B800611C)

* Author to whom correspondence should be addressed: Tel.: +27-12-4202515; Fax: +27-12-420 4687. E-mail: kenneth.ozoemena@up.ac.za.

SUPPORTING INFORMATION

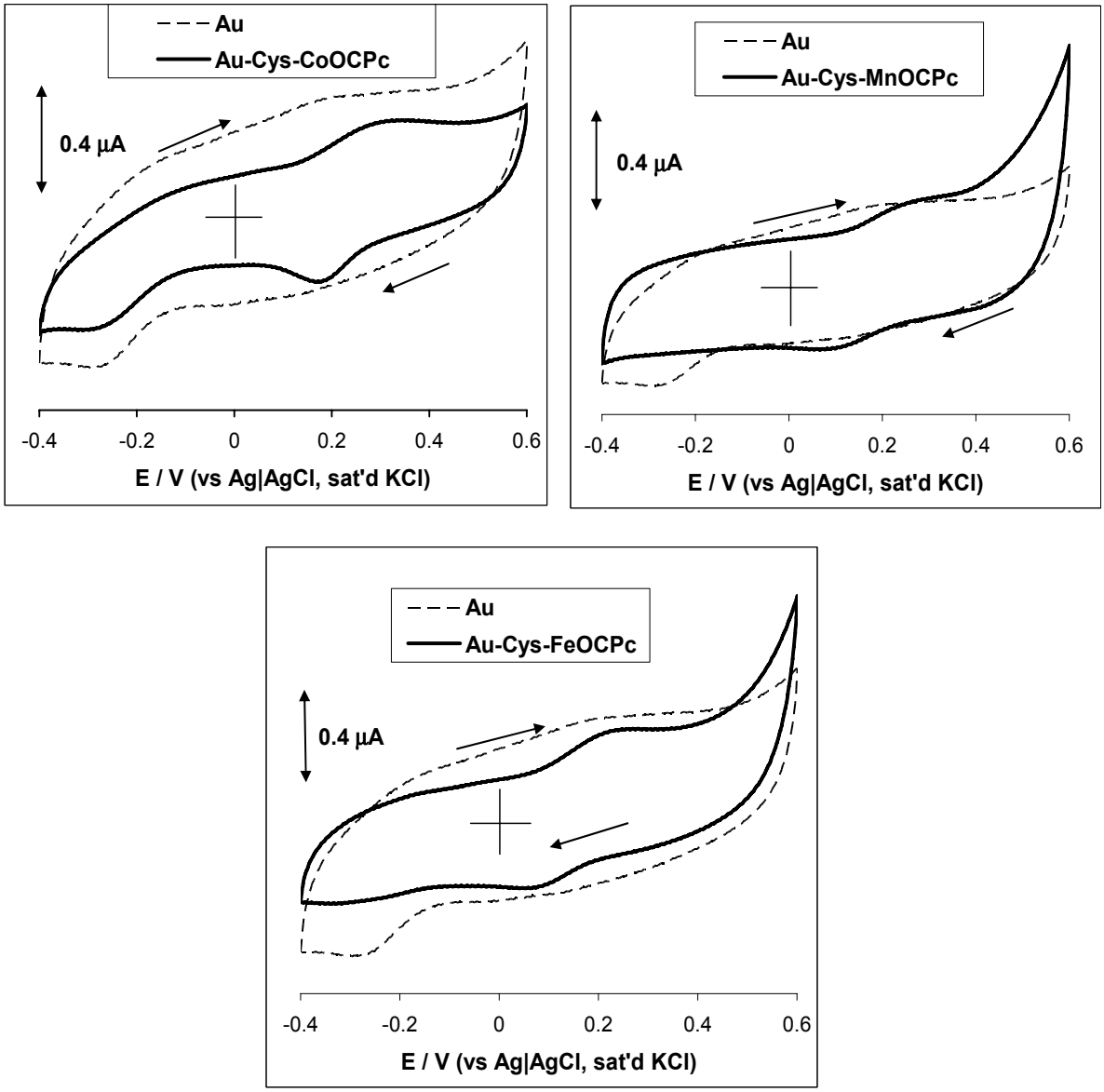

Figure 1 SI. Comparative cyclic voltammetric profiles of the bare Au and Au-Cys-CoOCPc, Au-Cys-FeOCPc and Au-Cys-MnOCPc obtained in 0.05 M phosphate buffer pH 7.4. Scan rate = 50 mV s^{-1}.

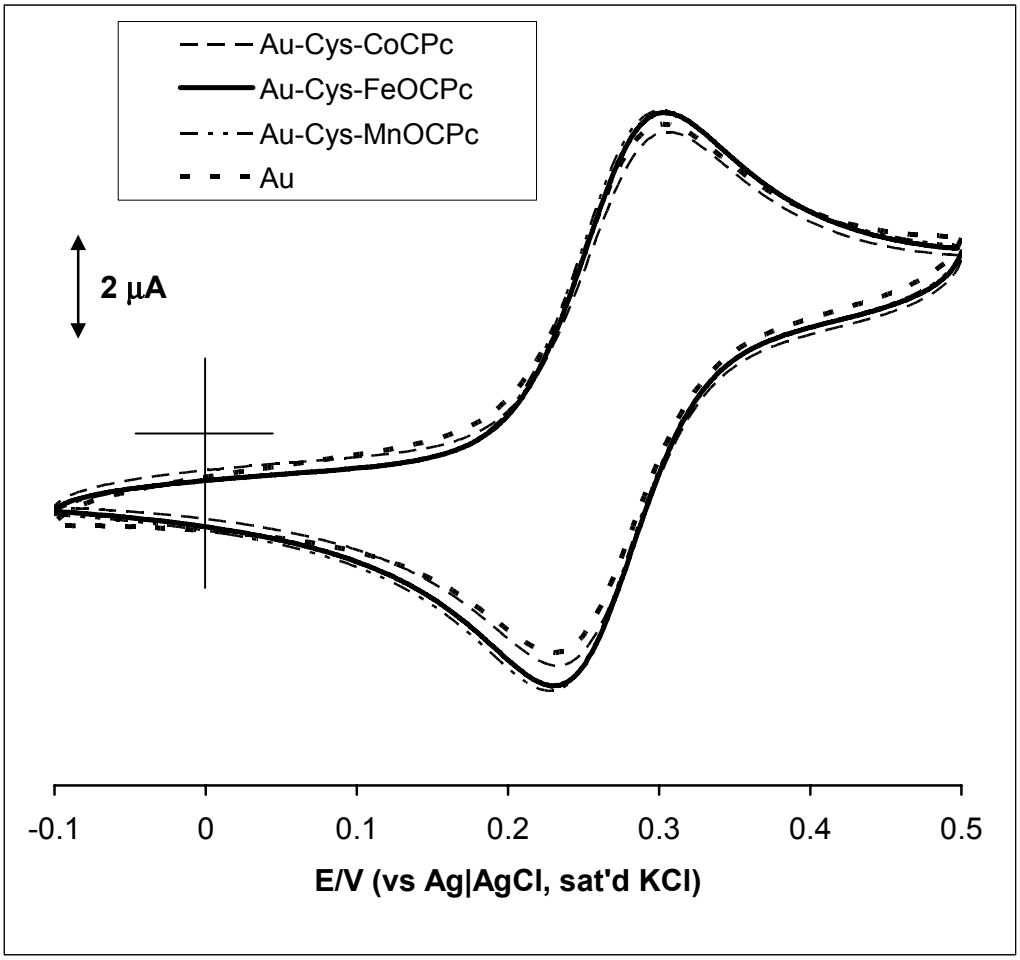

Figure 2 SI. Cyclic voltammetric evolutions of $[Fe(CN)_6]^{4-}$ / $[Fe(CN)_6]^{3-}$ in 0.1 M KCl at different electrodes. Scan rate = 50 mV s^{-1}.

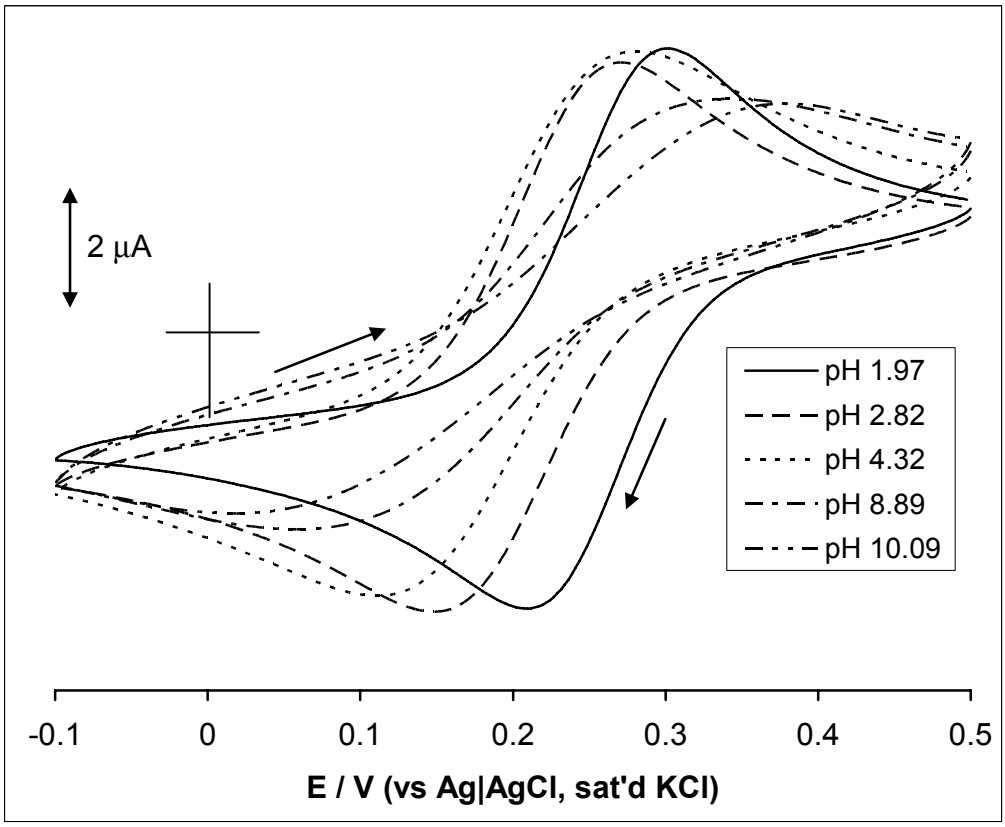

Figure 3 SI: Typical voltammetric responses of the Au-Cys-FeOCPc electrode at different solution pH of the redox probe, $[Fe(CN)_6]^{4-}$ / $[Fe(CN)_6]^{3-}$. Scan rate = 50 mV s^{-1}.