

Supplementary Data

Highly selective immobilization of amoxicillin antibiotic on carbon nanotube modified electrodes and its antibacterial activity

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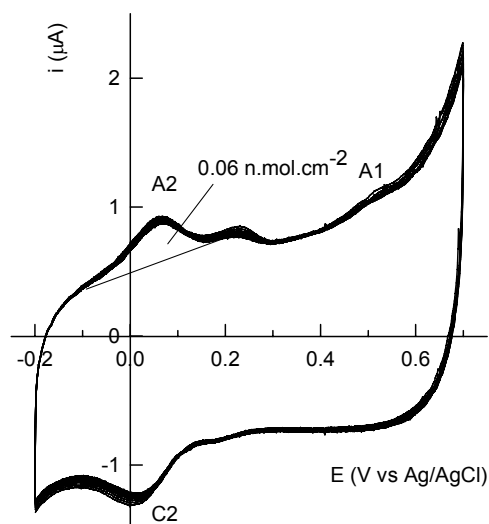


Figure S1. CV response of solution phase synthesized AMX@MWNT powder sample modified glassy carbon electrode response in a blank pH 7 PBS at a scan rate of 50 mV/s.

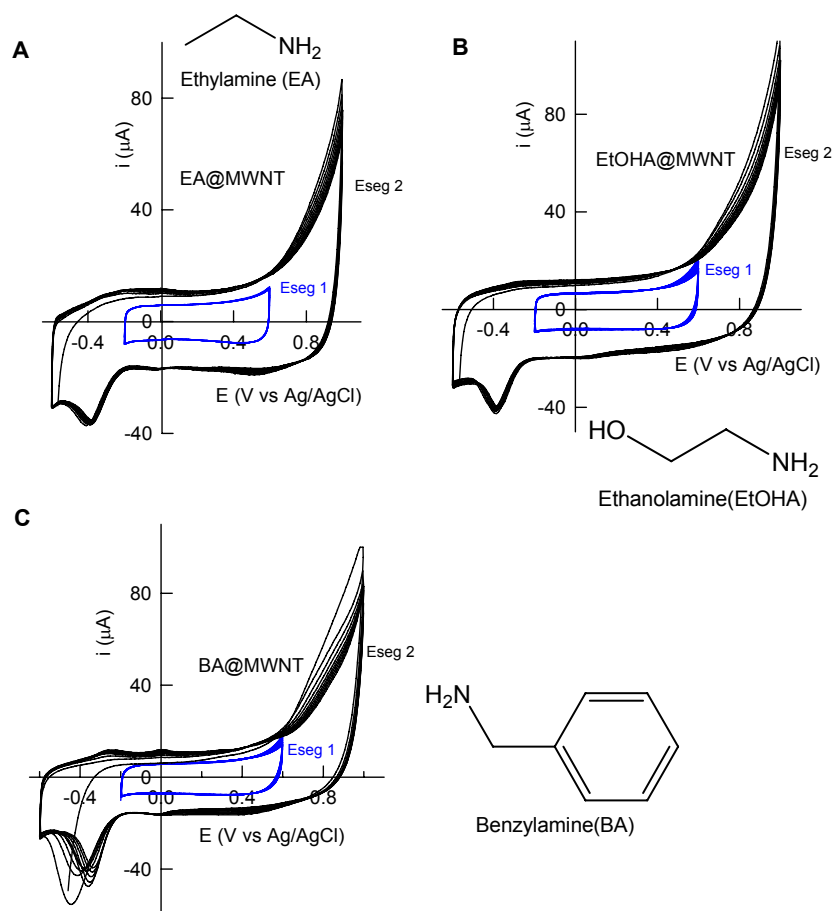


Figure S2. CV response of GCE/MWNT at two different potential windows (Eseg1 = shorter potential window) with various amines (1 mM) containing organic compounds in pH 7 PBS at a scan rate of 50 mV/s.

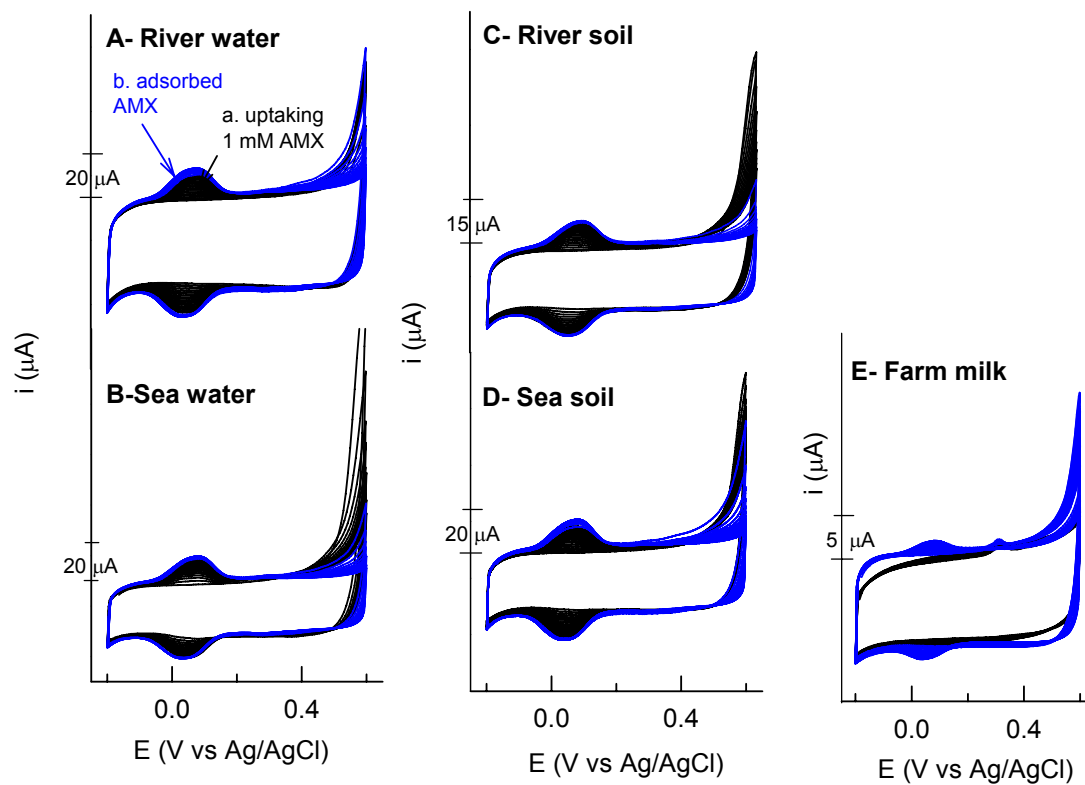


Figure S3. CV responses of GCE/MWNTs for the uptake of Amoxicillin (1 mM) present in different simulated real samples of pH 7 PBS at a scan rate of 50 mV/s.