A novel bioelectrochemical interface based on in situ synthesis of gold nanostructures on electrode surfaces and surface activation by Meerwein’s salt. A bioelectrochemical sensor for glucose determination.

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Supplementary data

Figure S1. Cyclic voltammograms in 0.1 M sulfuric acid, subsequent scans 2,3, and 6 after treatment with Meerwein’s reagent: (A) bare thin-film gold electrode, (B) thin-film gold electrode with gold nanostructures synthesized in situ using method II, and (C) thin-film gold electrode modified with gold nanoparticles synthesized using method I.