

MICROCHIP *IN-SITU* ELECTROSYNTHESIS OF SILVER METALLIC OXIDES CLUSTERS FOR ULTRA-FAST DETECTION OF GALACTOSE IN PRECIOUS GALACTOSEMIA NEWBORN URINE SAMPLES

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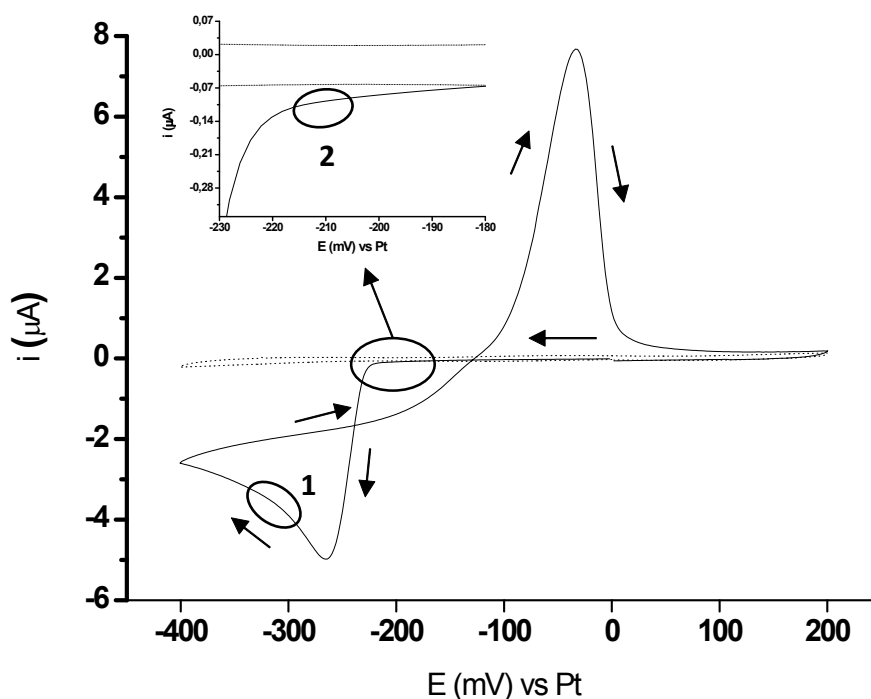


Figure S1. Cyclic voltammetry signal in Ag solution. (1) Nucleation potential and (2) Growth potential. Cyclic Voltammogram were recorded at 100 mV s⁻¹.

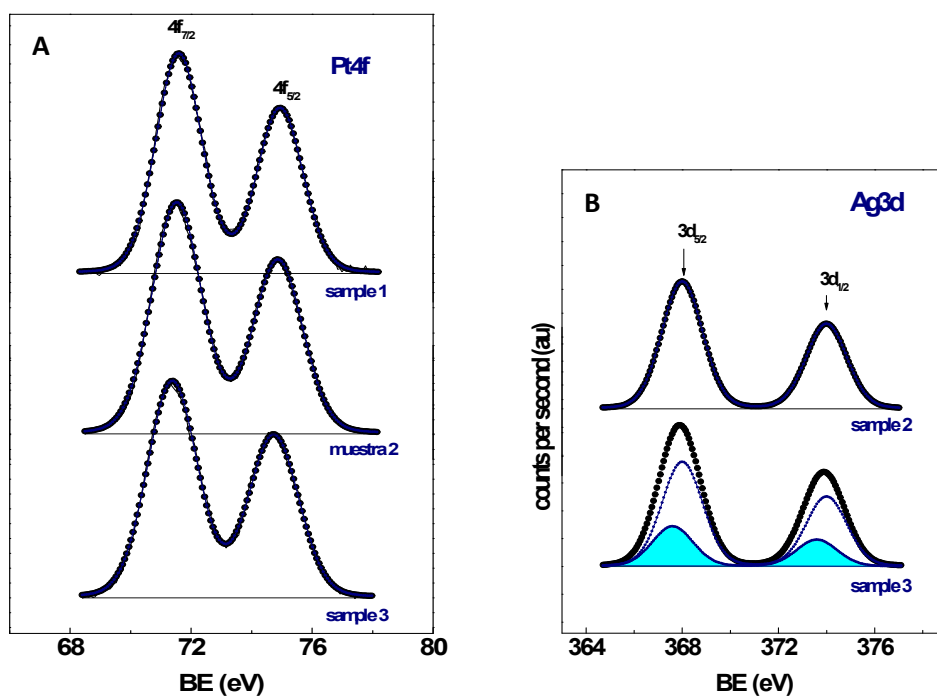


Figure S2. High resolution (A) Pt 4f and (B) Ag 3d core-levels of (1) platinum electrodes (2) AgNPs-platinum electrodes and (3) oxidized AgNPs-platinum electrodes. Blue color accounts for the silver oxide fraction.

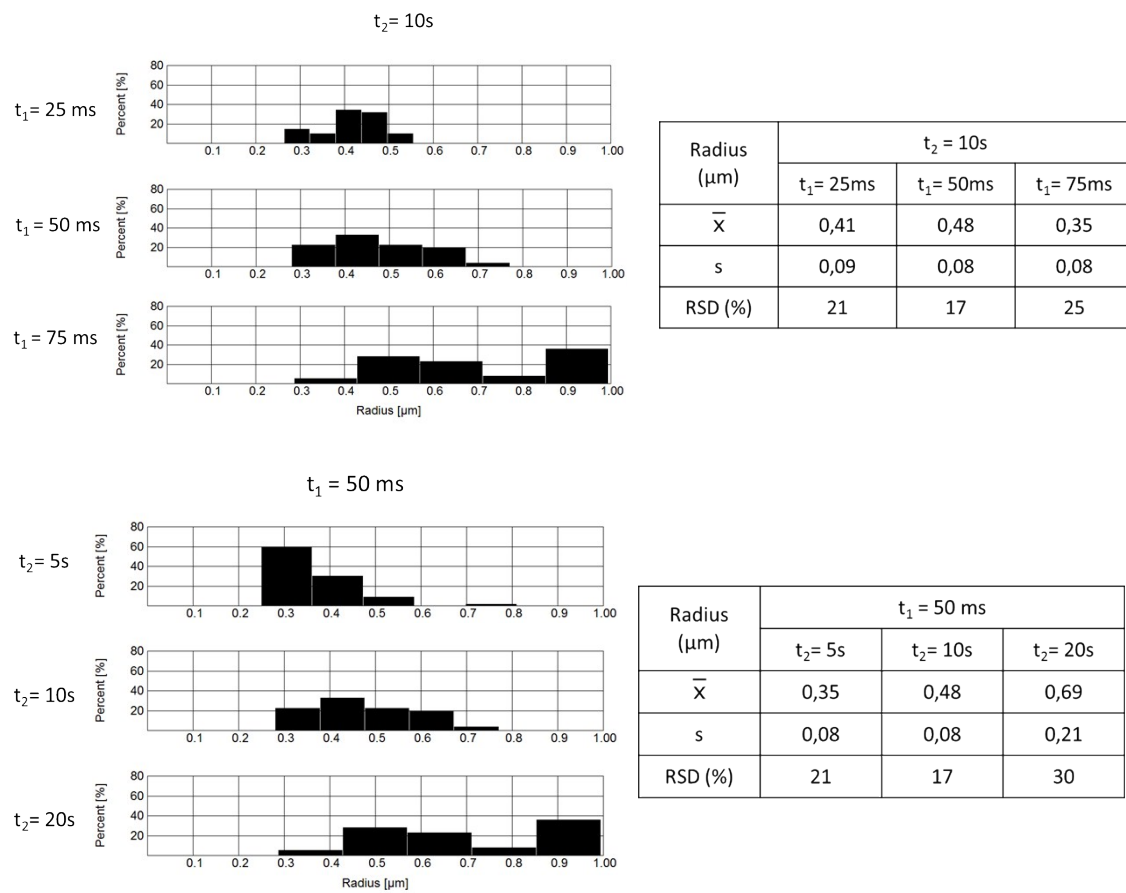


Figure S3. Size distribution histograms as function of nucleation time (t_1) and growth time (t_2). Statistical data were collected in the tables.