

SUPPORTING INFORMATION

“HIGH NIR-PURITY INDEX SINGLE-WALLED CARBON NANOTUBES FOR ELECTROCHEMICAL SENSING IN MICROFLUIDIC CHIPS”

Diana Vilela¹, Alejandro Ansón-Casaos², María Teresa Martínez², María Cristina González¹ and Alberto Escarpa^{1*}

¹ Departamento de Química Analítica e Ingeniería Química. Edificio Polivalente. Universidad de Alcalá. Ctra. Madrid-Barcelona km 33,600. 28871Alcalá de Henares. Madrid. Spain.

² Instituto de Carboquímica ICB-CSIC, Miguel Luesma Castán, 4, 50018 Zaragoza, Spain

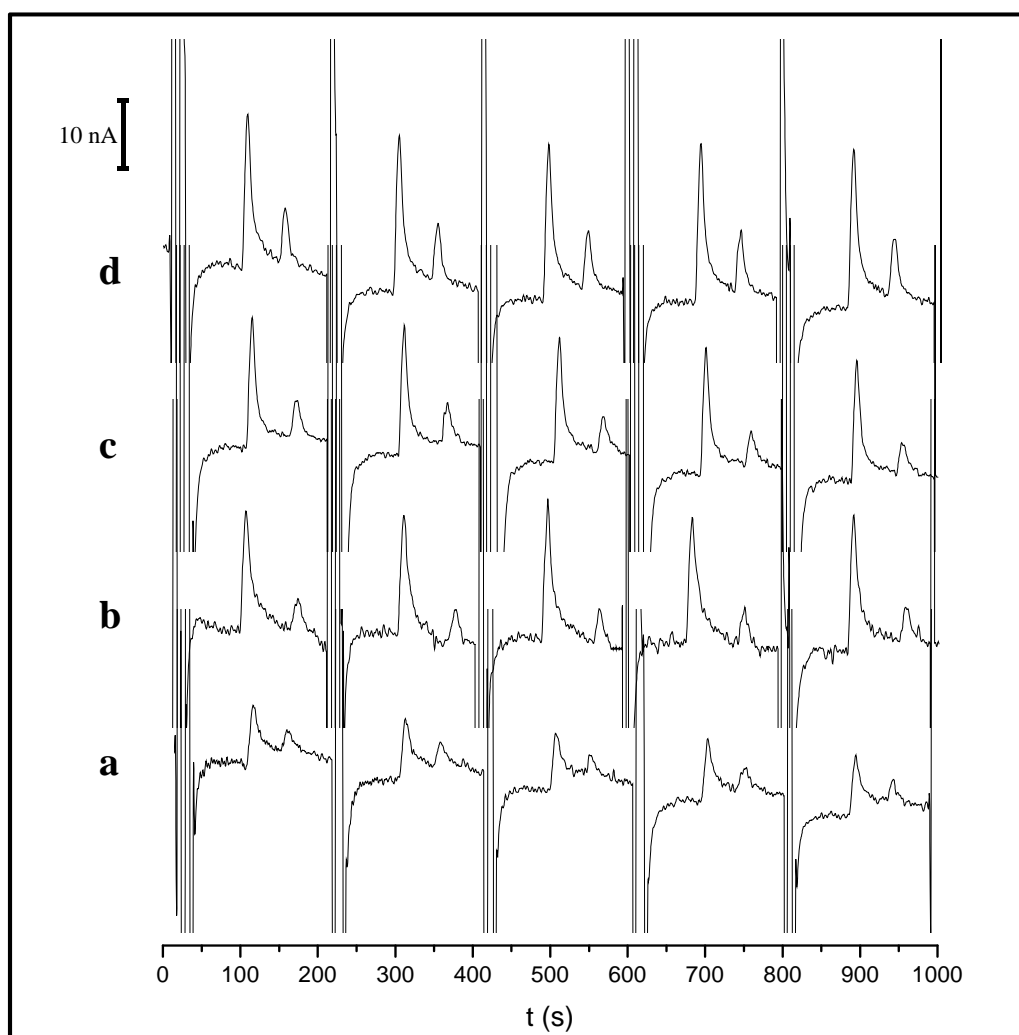


Figure S1. Microchips electroferograms corresponding to a mixture of dopamine and catechol (100 μ M each) with electrode materials studied: CSPE (a), 1-S-SWs (b), 3-S-SWs (c) and 5-S-SWs (d). Conditions: MES buffer 25 mM pH=6.5, separation voltage 1.5 kV, injection voltage 1.5 kV for 5 s, detection voltage +0.7 V.