Novel Conducting and Biodegradable Copolymers with Non-Cytotoxic Properties towards Embryonic Stem Cells

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Supplementary Information

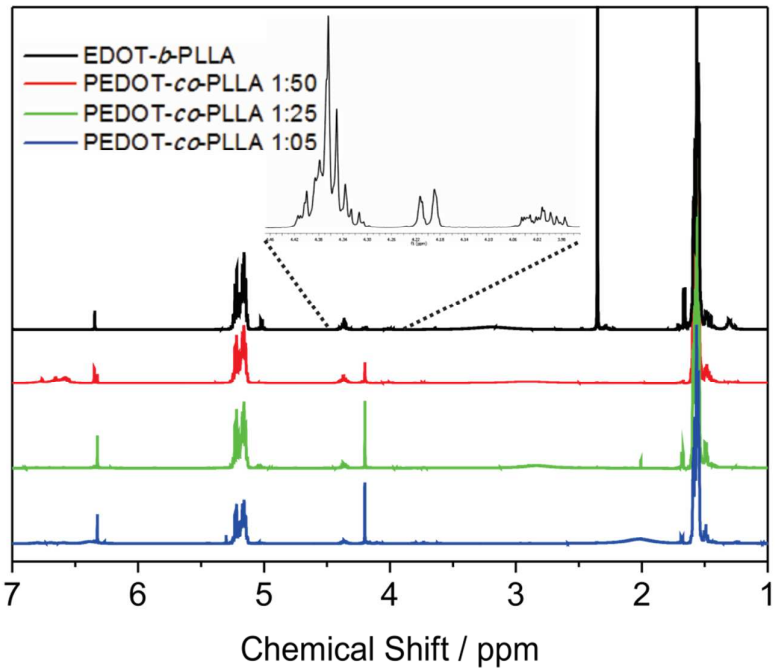

Figure S1 – ^{1}H NMR spectra of EDOT-PDLLA (black), and conducting biodegradable copolymers of PEDOT-*co*-PDLLA 1:50 (red), 1:25 (green) and 1:05 (blue).

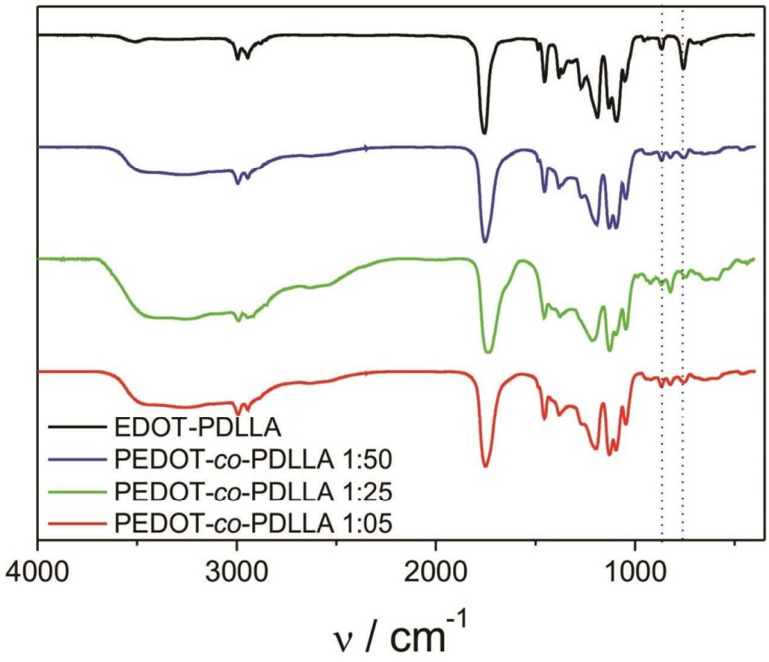

Figure S2– Infrared spectra of EDOT-PDLLA (black), and conducting biodegradable copolymers of PEDOT-*co*-PDLLA 1:50 (blue), 1:25 (green) and 1:05 (red). Regions of 765 and 872 cm^{-1} are highlighted.

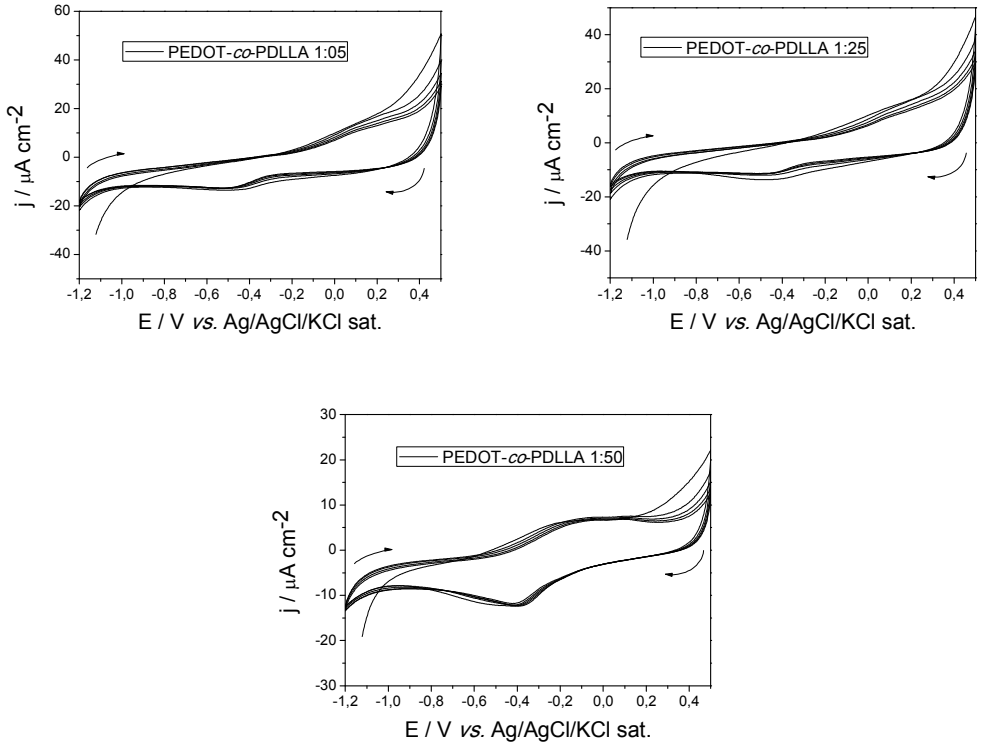

Figure S3 – j/E potentiodynamic profiles of 5 cycles with PEDOT-*co*-PDLLA 1:05, 1:25 and 1:50, respectively, deposited onto glassy carbon electrode. All experiments were recorded at scan rate of 0.01 V s^{-1} in PBS buffer pH 7.4 as supporting electrolyte.

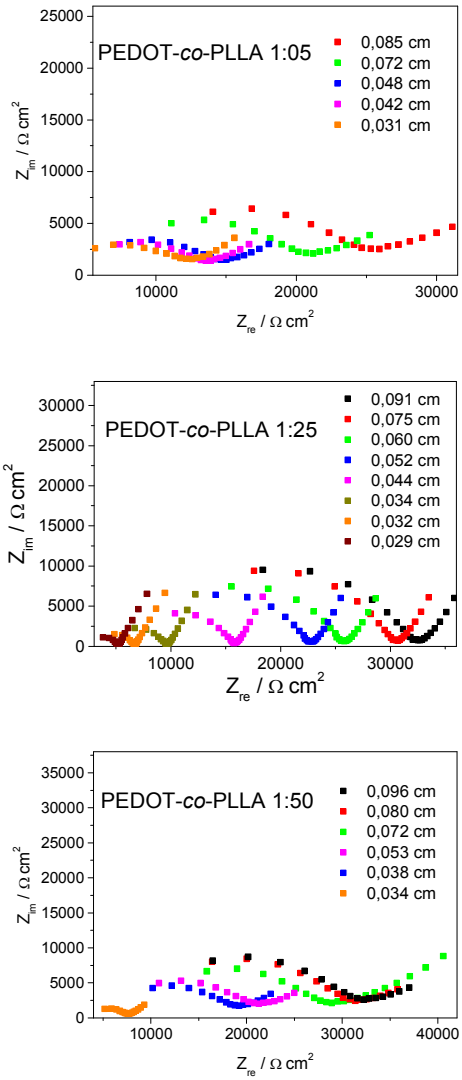

Figure S4 – Nyquist plot of PEDOT-*co*-PDLLA 1:05, 1:25 and 1:50, respectively, obtained using 2 electrodes system. All experiments were recorded as 0.01 Hz to 10^5 Hz frequency range and amplitude of 10 mV.