Supporting information

Fabrication and evaluation of the porous and conductive nanofibrous scaffolds for nerve tissue engineering

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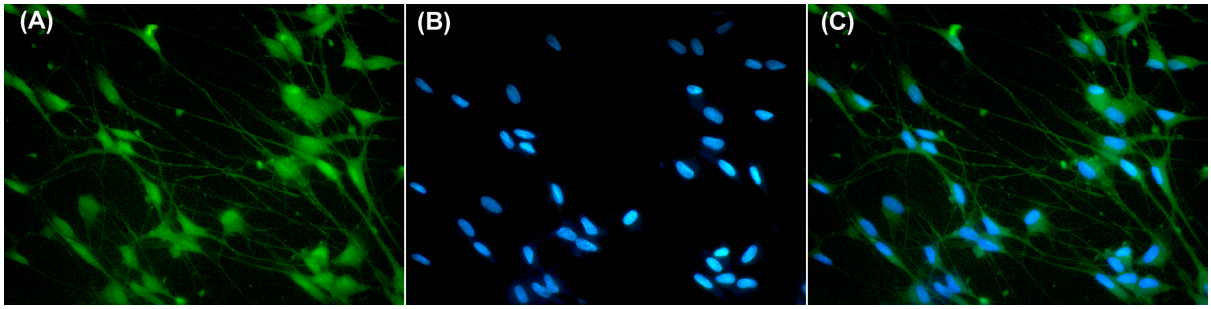

Figure S1: The purity of the primary cultured Schwann cells was confirmed by immunofluorescence staining of S100 proteins. To quantify Schwann cell purity, the number of positive cells for S100 staining (green) was counted and divided by the number of cell nuclei (blue). The purity of Schwann cells was more than 95%. (A) immunofluorescence staining of primary cultured Schwann cells against S100 (green), as the specific biomarker of Schwann cells, (B) the corresponding nuclei stained with Hoechst (blue) and (C) image merged from (A) and (B).

(A) Selected areas of the scaffold	Weight%			
	C	O	N	Au
Area 1	57.9	30.9	1.6	9.6
Area 2	61.6	27.7	0.0	11.2
Average ± SD	59.75 ± 1.85	29.3 ± 1.6	0.8 ± 0.8	10.4 ± 0.8

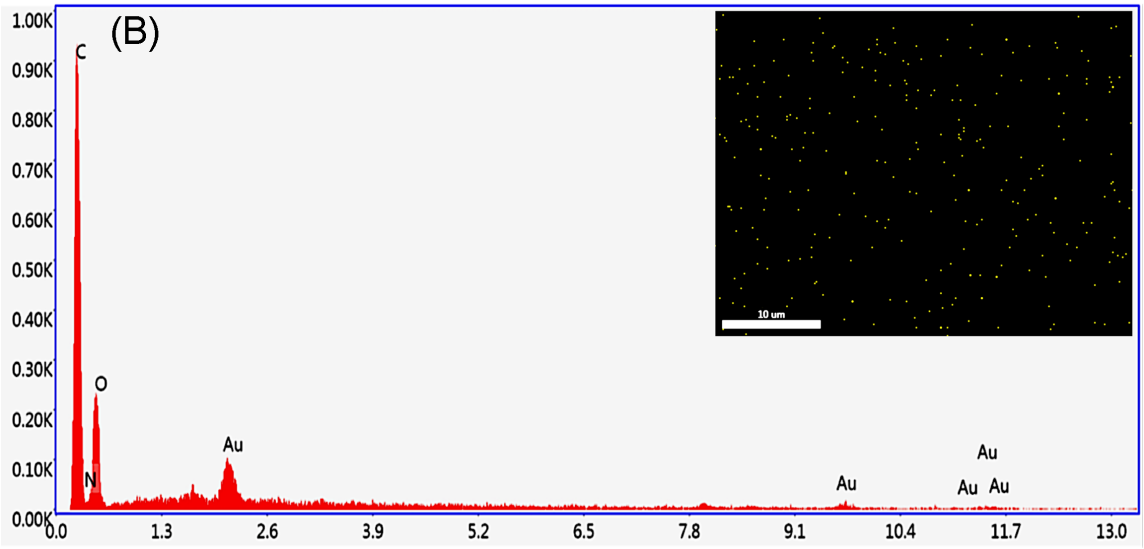

Figure S2: The elemental composition of AuNP-decorated scaffold which was fabricated using both reducing agents of THPC and formaldehyde, from two different areas of the scaffold (A) and its corresponding EDX spectrum and surface mapping (B).