Nanomaterials

Electronic Supplementary Material

Spectroscopic characterization and nanosafety of Ag-modified antibacterial leather and leatherette

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Table S1. Operating conditions used for ICP-MS analysis. [a] atomic mass unit.

Plasma Power	1600 W
Plasma (Ar) gas flow	18 mL/min
Auxiliary(Ar) gas flow	1.2 mL/min
Sample transport (Ar)	1.0 mL/min
Collision chamber (He)	2.0 mL/min
Nebulizer, spray chamber and flow	Meinhard, Cyclonic, 1 mL/min
Isotopes monitored	^{107}Ag, ^{109}Ag
Dwell time per AMU[a]	50 ms
Integration time	1 s

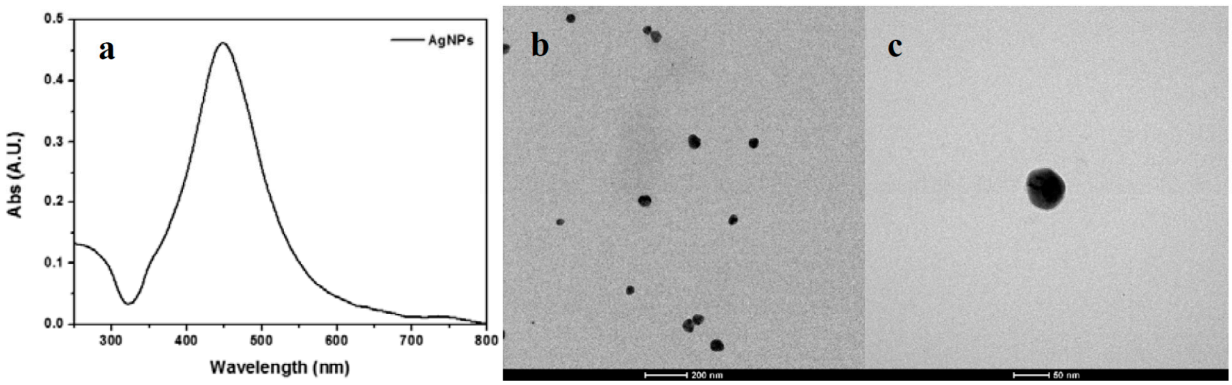

Figure S1: UV-Vis spectrum (a) and TEM micrographs (b, c) of control AgNPs synthetized by the chemical route described in the experimental section.

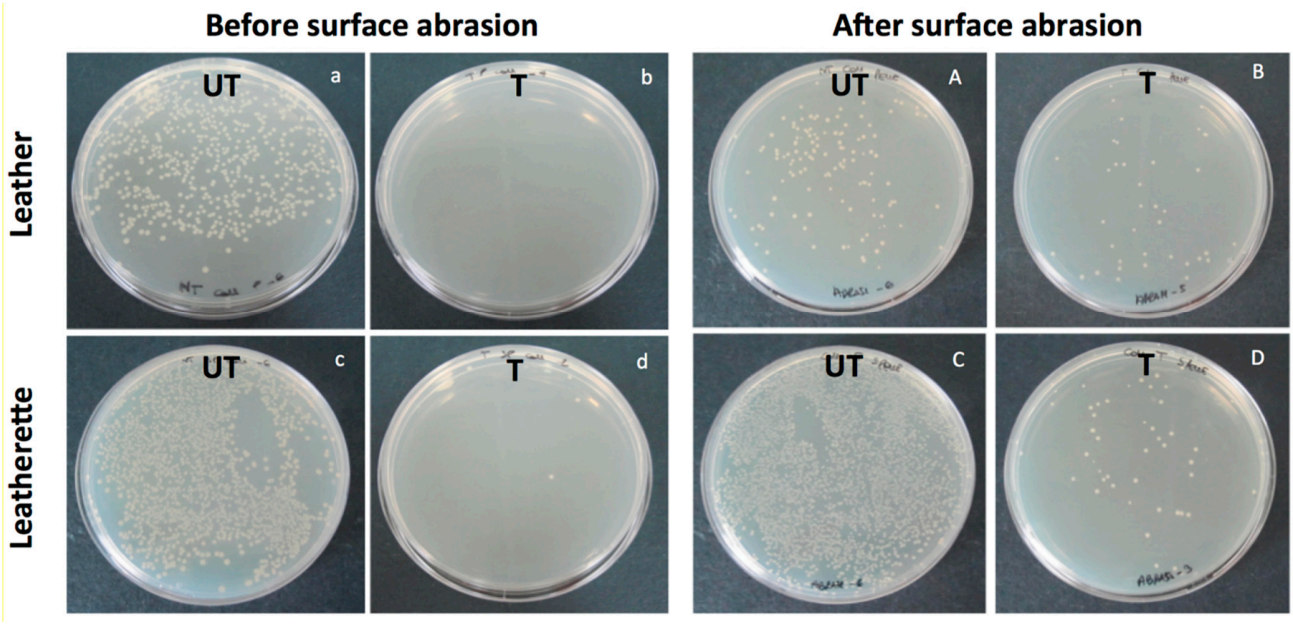

Figure S2: Agar diffusion tests on *E. coli* before (a-d) and after (A-D) surface abrasion on pristine (UT) and Ag-treated (T) leather and leatherette.

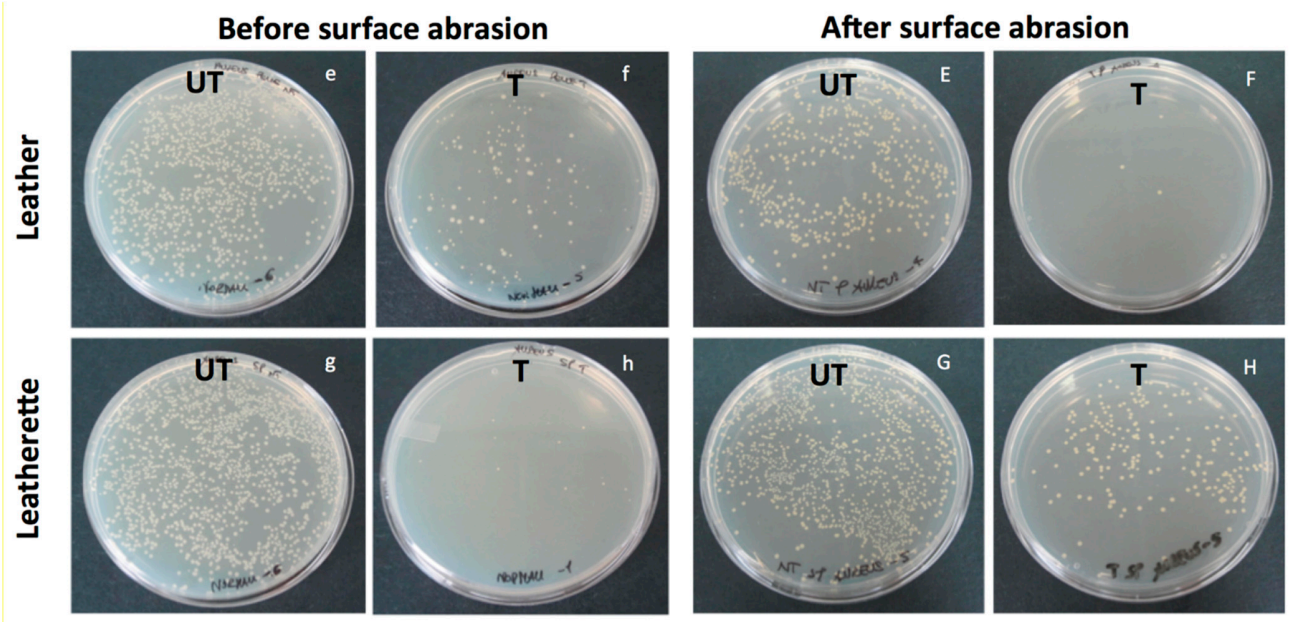

Figure S3: Agar diffusion tests on *S. aureus* before (e-h) and after (E-H) surface abrasion on pristine (UT) and Ag-treated (T) leather and leatherette.