

Supplementary Information

BIOGENIC SILVER NANOPARTICLES ANTIBACTERIAL ACTIVITY AND CYTOTOXICITY ON HUMAN HEPATOCARCINOMA CELLS (HUH-7)

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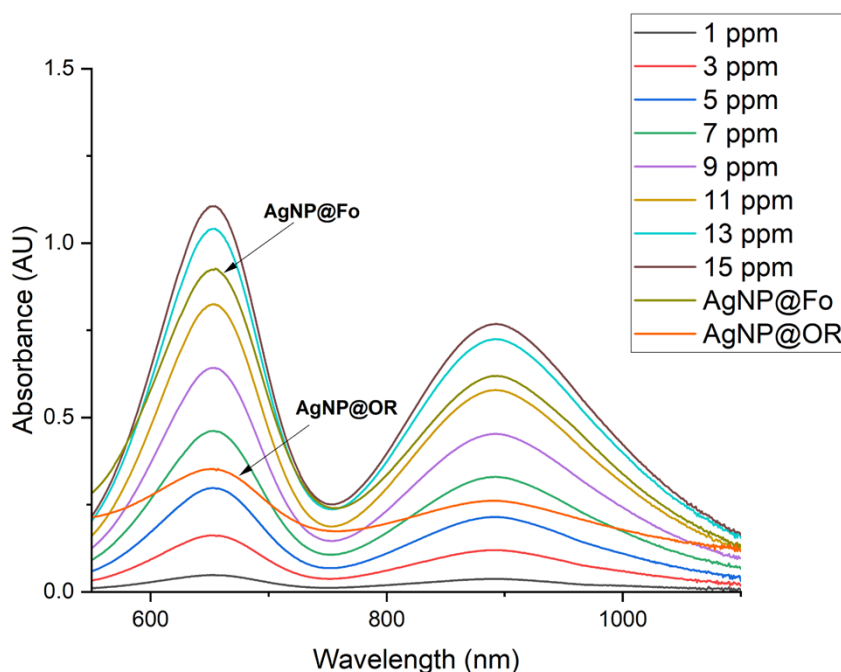


Figure S1. Absorption spectra of silver(I) standards with increasing amounts of Ag⁺ (0–15 ppm) in the presence of TMB (10 mmol L⁻¹).

Table S1. Silver(I) concentrations

Measurements	AgNP@Fo (mmol L ⁻¹)	AgNP@OR (mmol L ⁻¹)
Free silver ions (Ag ⁺)	0.099	0.035
[AgNP]	0.401	0.465

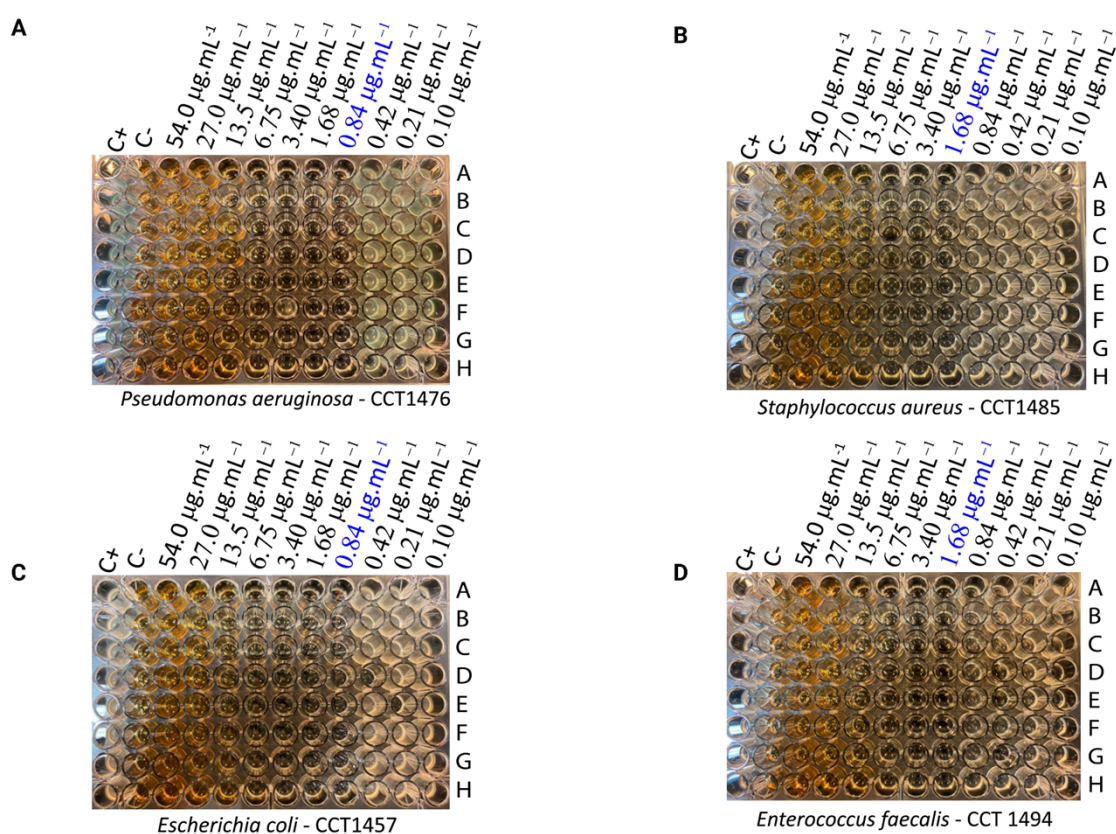


Figure S2. Minimum Inhibitory Concentration (MIC) Tests: Assessing the potential of AgNP@Fo nanoparticles against Microorganisms (a) *Pseudomonas aeruginosa*, (b) *Staphylococcus aureus*, (c) *Escherichia coli*, and (d) *Enterococcus faecalis* in a 96-well plate assay.

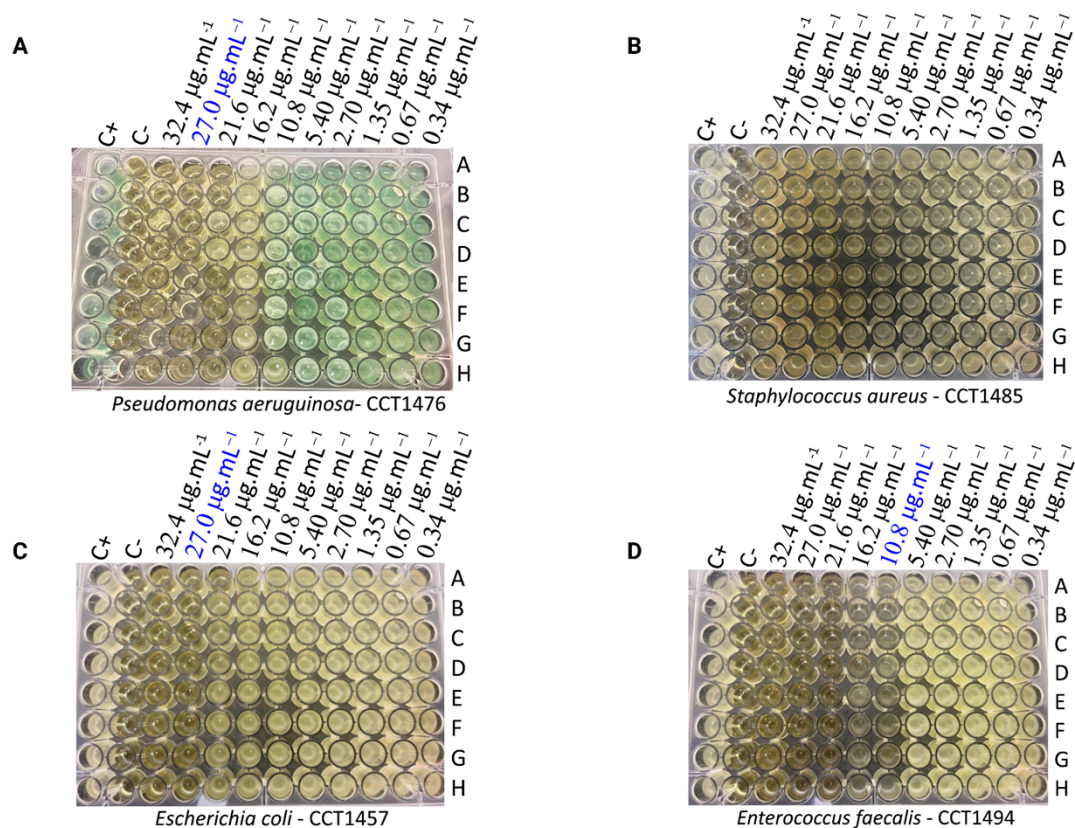


Figure S3. Minimum Inhibitory Concentration (MIC) Tests: Assessing the potential of AgNP@OR nanoparticles against microorganisms (a) *Pseudomonas aeruginosa*, (b) *Staphylococcus aureus*, (c) *Escherichia coli*, and (d) *Enterococcus faecalis* in a 96-well plate assay.