

SUPPORTING INFORMATION

Self Assembly of Nanostructured Hexagonal Cobalt Dendrites: An Efficient Antibacterial, Anti-coliform and Anti-Biofilm Agent**

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S I: XRD of cobalt nanoparticles synthesized using (a) cobalt chloride and (b) cobalt acetate at 5V.

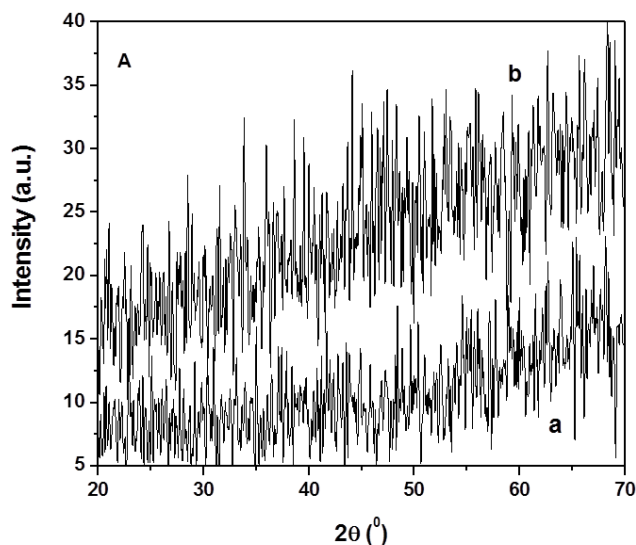


Figure SI: X-ray powder diffraction pattern of cobalt nanoparticles at applied voltage 5 V for 30 seconds using cobalt acetate (a) and CoCl_2 (b).

S II: EDS of cobalt nanoparticles synthesized using (a) cobalt chloride and (b) cobalt acetate.

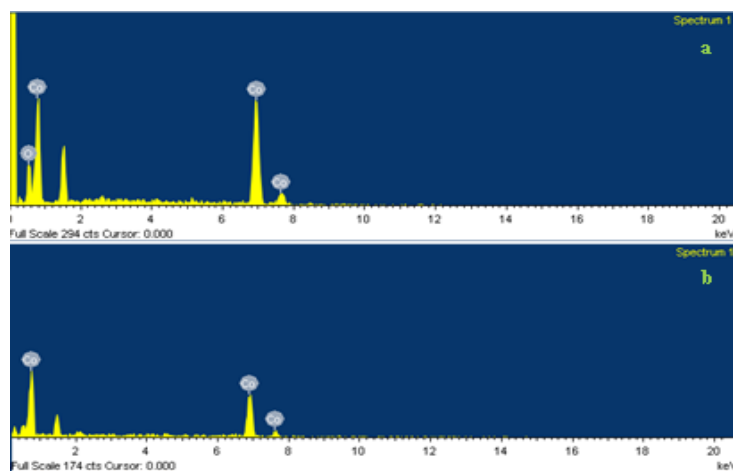
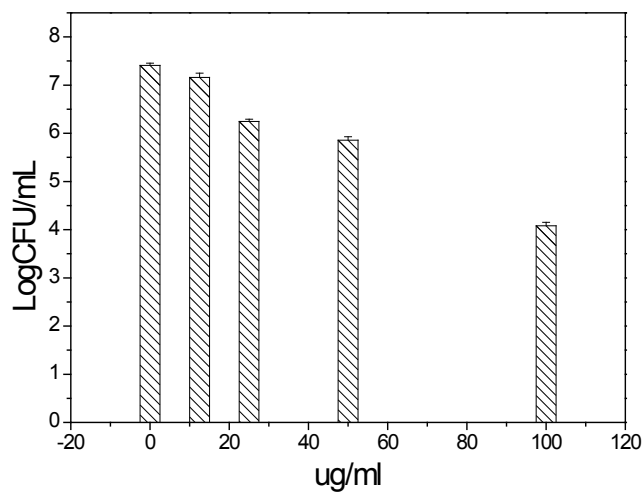


Figure 2: EDS of cobalt nanoparticles synthesized using (a) cobalt chloride and (b) cobalt acetate.

S III . MBC of the as-synthesized Co-DNDs by using CoCl_2 as precursor



MBC of the as-synthesized Co-DNDs by using CoCl_2 as a precursor ion. Note a 3log reduction of cells *B subtilis* occurred at 100 $\mu\text{g/mL}$ of Co-DNDs.