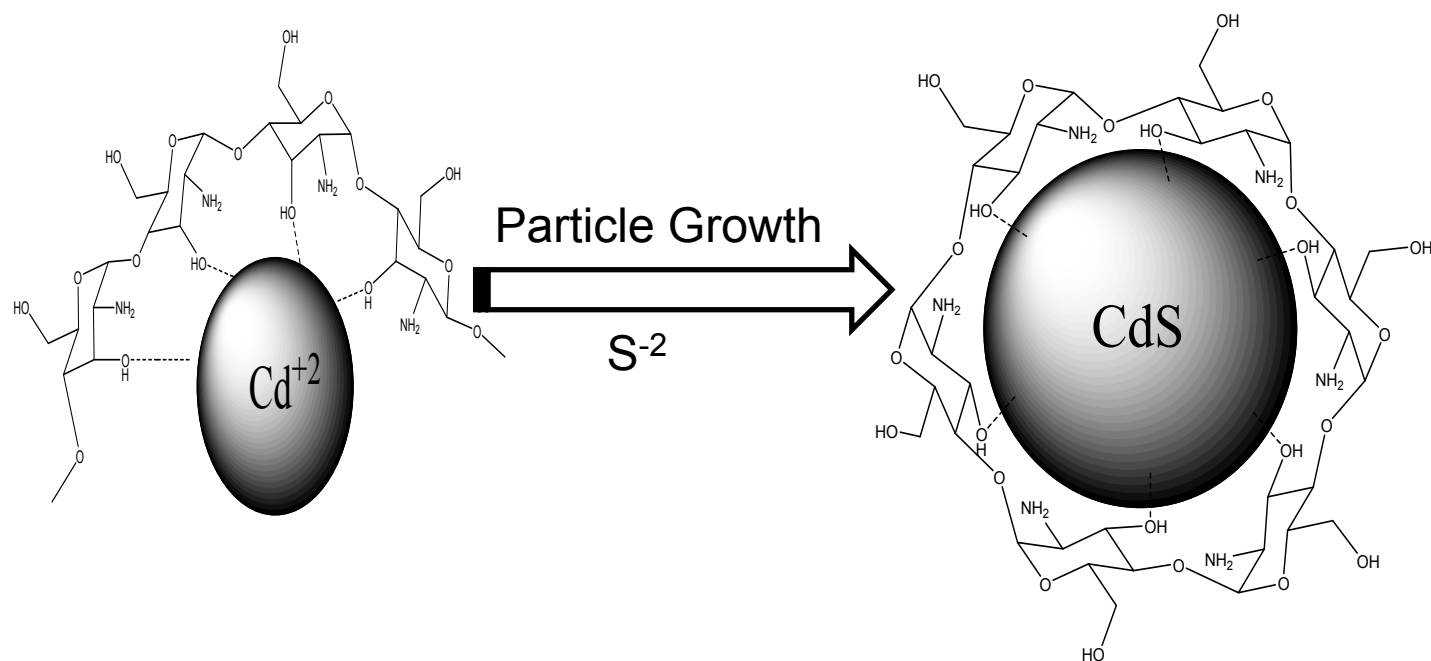




Scheme S1. Schematic diagram for biosensor fabrication.

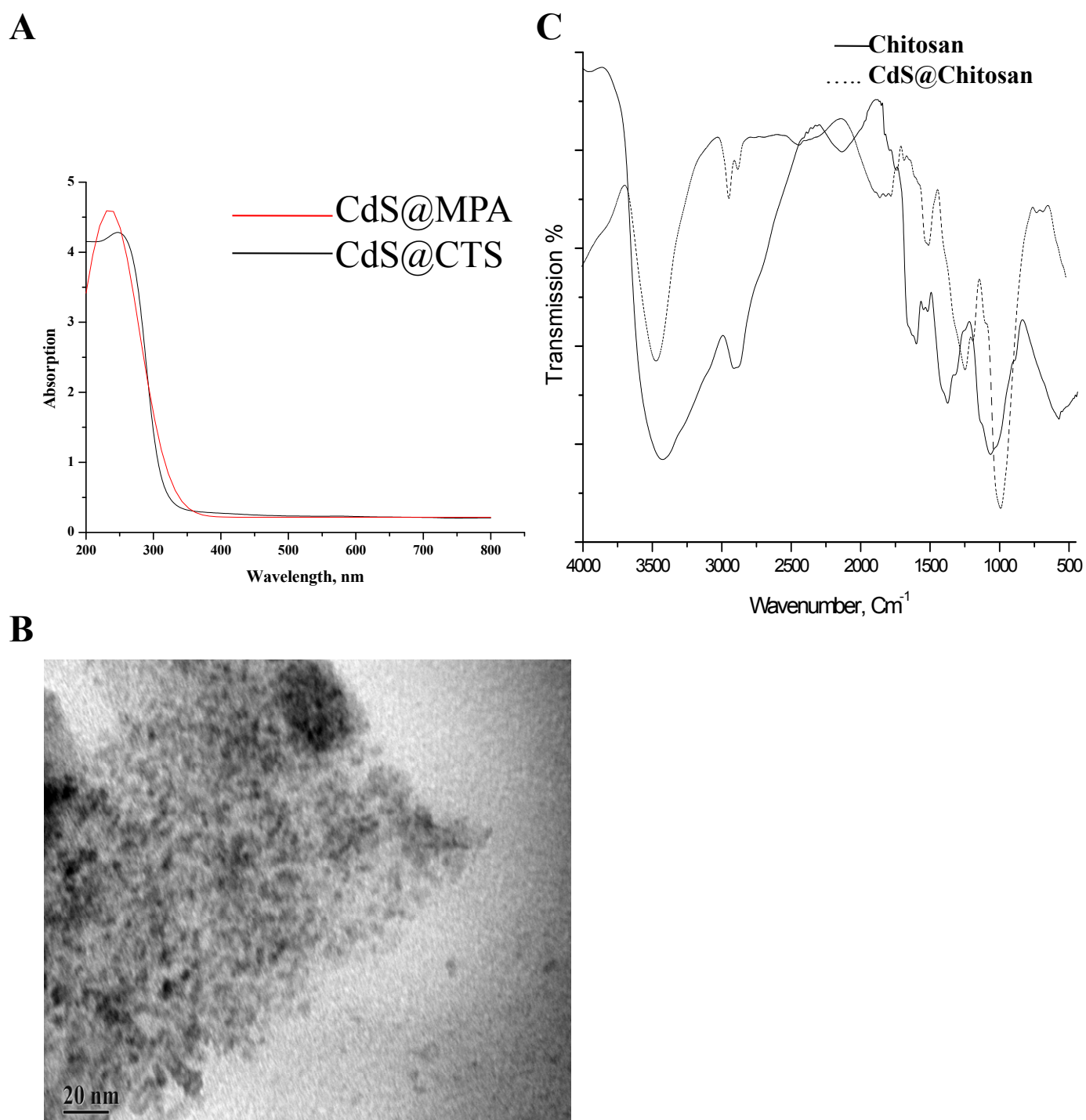


Figure S1: (A) UV absorption of chitosan, CdS@CTS and CdS@MPA.(B) TEM figure of CdS@MPA (C) FTIR spectra of chitosan and CdS@CTS.

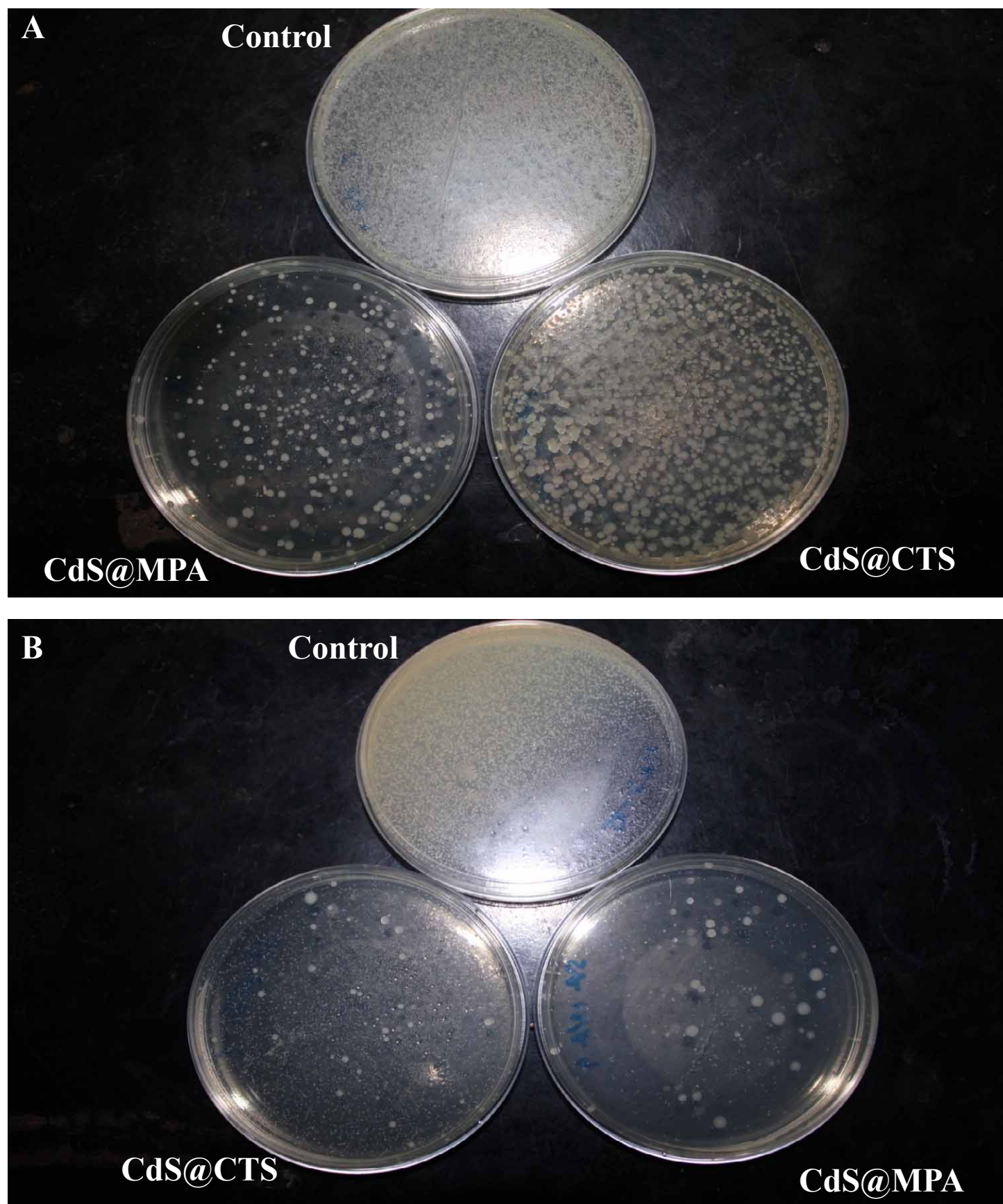


Figure S2: Plate counting of *P. aeruginosa* (A) and *S. aureus* (B)