Electronic Supplementary Material (ESI) for Journal of Materials Chemistry B.

Carbon dot with positive surface charge from tartaric acid and m-aminophenol for selective killing Gram-positive bacteria

Supporting Information

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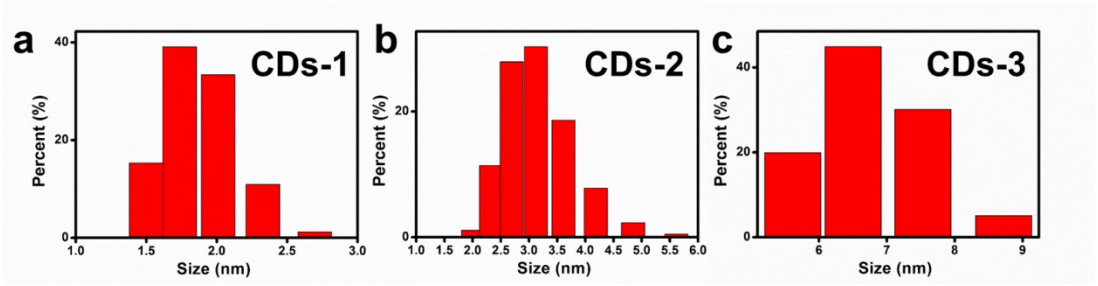

Fig. S1 Size distributions of CDs-1 (a), CDs-2 (b) and CDs-3 (c).

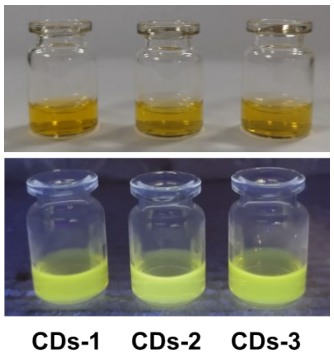

Fig. S2 Photographs of CDs-1, CDs-2 and CDs-3 under daylight and ultraviolet lamp (365 nm), respectively.

Atomic ratio (%)	CDs-1	CDs-2	CDs-3
C	56.66	60.12	65.01
N	7.08	6.56	6.01
O	36.26	33.33	28.98

Table 1. Atom ratio of three elements involving carbon, nitrogen and oxygen in CDs-1, CDs-2 and CDs-3.

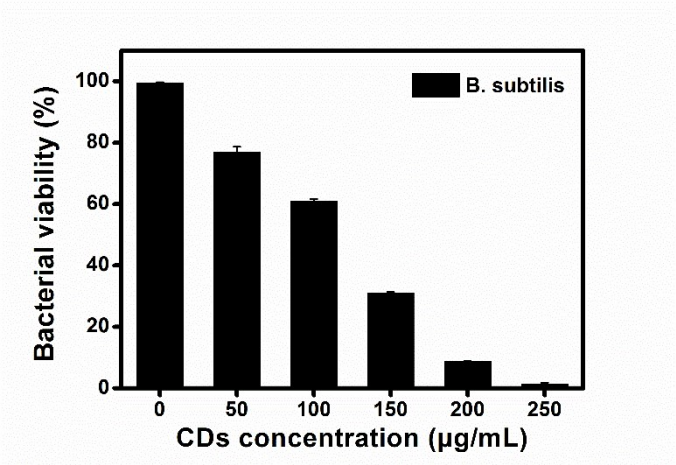

Fig. S3 Bacterial viability of *B. subtilis* treated with different concentrations of CDs-3.

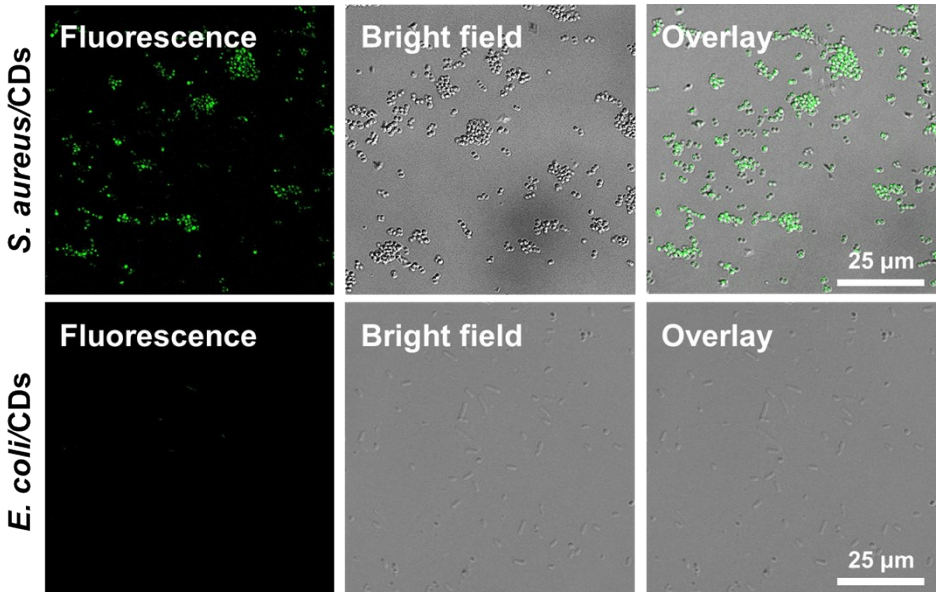

Fig. S4 Confocal images of *S. aureus* and *E. coli* incubated with CDs-3.