

Supporting Information

## Red Luminescent Manganese-Doped Zinc Sulphide Nanocrystals and its antibacterial study

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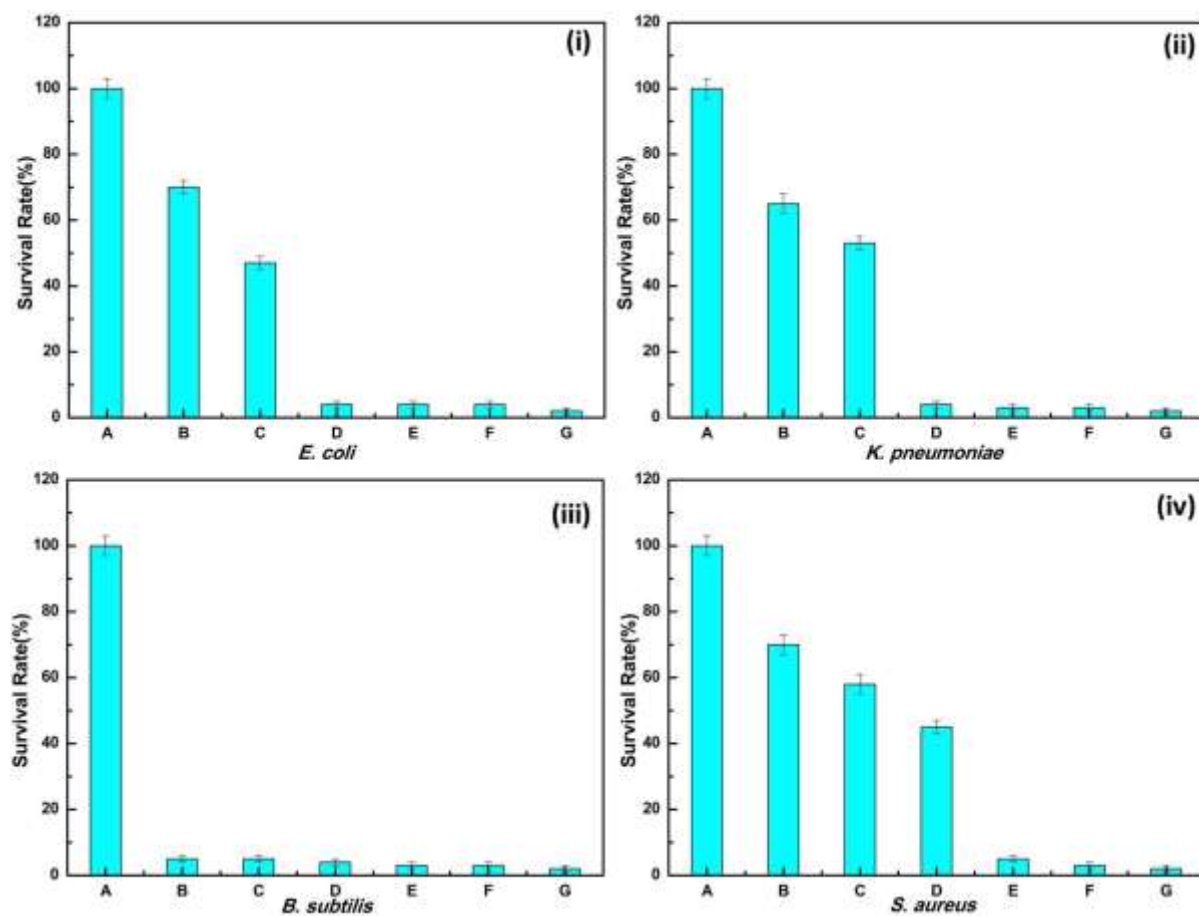
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**Table S1:** Zone of Inhibition (in mm) for MIC:

Bacterial Strain	Biotin Capped ZnS:Mn <sup>2+</sup> NCs Concentrations (ng/ml)						
	0	100	200	300	400	500	600
<i>E. coli</i>	-	-	-	3	3	5	5
<i>K. pneumoniae</i>	-	-	-	2	2	2	4
<i>B. subtilis</i>	-	2	2	2	3	3	4
<i>S. aureus</i>	-	-	-	-	1	2	3



**Figure S1:** Bacterial Survival Rate (%) of (i) *E. coli* (ii) *K. pneumoniae* (iii) *B. subtilis* and (iv) *S. aureus* against biotin capped ZnS:Mn<sup>2+</sup> NCs (A) Control (B) 100 ng/ml, (C) 200 ng/ml, (D) 300 ng/ml (E) 400 ng/ml (F) 500 ng/ml and (G) 600 ng/ml.