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Supplementary Information

Detection of Staphylococcus aureus using acridine orange-doped silica nanoparticles as a fluorescent label

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Table 1S. Zeta potential data of AO@SiO₂ and NH₂-AO@SiO₂

Sample	Potential Distribution	Zeta Potential (mV)
AO@SiO ₂	Zeta Potential Distribution 600000 90000 90000 100000 100000 200000 100000 200000 200000 200000 200000 200000 200000 200000 200000 200000 200000 200000 200000 200000 2000000	-42.5±3.16
NH ₂ -AO@SiO ₂	Zeta Potential Distribution 2500 2000 2000 2000 2000 2000 2000 20	1.68±1.24

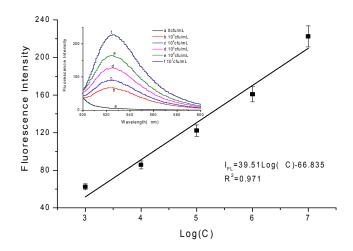


Figure 1S. Standard curve of AO@SiO₂-NH₂ labeled *S.aureus* in spiked milk samples. (λEx=480nm)