

Electronic Supporting Information

A convenient fluorescent assay for quinolones based on their inhibition towards the oxidase-like activity of Cu²⁺

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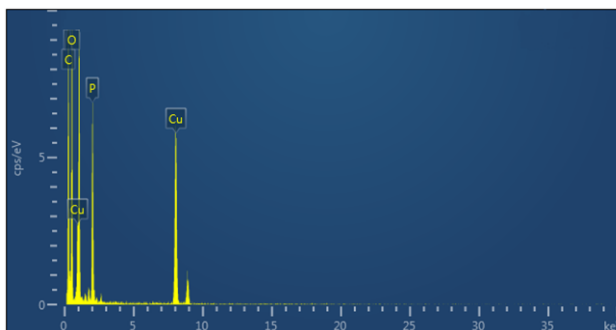


Fig. S1 The EDS pattern of copper nanoparticles formed during the reaction process of Cu²⁺ and OPD.

Table S1 The linear equations, linear ranges, and LODs for the analysis of quinolones using DNA-AgNCs-Cu²⁺ system.

Quinolones	Linear equation	Linear range	LOD
nalidixic acid	$y = -1.327 + 6.396x$	1.0-10 nM	0.34 nM
	$y = 50.08 + 1.169x$	10-100 nM	
cinoxacin	$y = 1.486 + 7.012x$	0.5-10 nM	0.15 nM
	$y = 62.31 + 0.8864x$	10-100 nM	
ciprofloxacin	$y = -4.699 + 7.791x$	1.0-10 nM	0.30 nM
	$y = 61.84 + 1.084x$	10-100 nM	
moxifloxacin	$y = 5.828 + 6.116x$	0.1-10 nM	35 pM
	$y = 51.53 + 1.159x$	10-100 nM	