

Electronic Supplementary Information

An enzyme-free and label-free assay for copper (II) ion detection based on self-assembled DNA concatamers and Sybr Green I

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Samples	Cu ²⁺		Recovery (%)
	Added	Detected	
Tap water	1 μM	8.69 μM	86.9±12.76
	10 nM	9.082 nM	90.82±9.02
	100 pM	104 pM	104±4.24
Human serum	1 μM	0.8 μM	80±13.58
	10 nM	10.58 nM	105.8±10.59
	100 pM	96.29 pM	96.29±6.75

Table S1. Recovery experiments for Cu²⁺ detection in tap water and human serum samples.