

Electronic Supplementary Information

Enzyme-free colorimetric assay using hybridization chain reaction amplification and split aptamer

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Table S1 Detection performance comparison of our strategy with other methods

Target	Modified/unmodified AuNPs based colorimetric	Detection limits	Reference
Hg ²⁺	modified AuNPs	100 nM	19
	modified AuNPs	200 fM	21
	unmodified AuNPs	50 nM	22
	unmodified AuNPs	50 μ M	23
	unmodified AuNPs	0.5 μ M	24
	unmodified AuNPs	250 nM	25
	unmodified AuNPs	10 nM	26
	unmodified AuNPs	15 nM	this work
adenosine	modified AuNPs	0.3 mM	27
	modified AuNPs	10 μ M	28
	modified AuNPs	50 μ M	29
	modified AuNPs	1 mM	30
	modified AuNPs	0.25 mM	31
	modified AuNPs	6 nM	32
	unmodified AuNPs	500 ng/ml (~1.88 μ M)	33
	unmodified AuNPs	1 μ M	this work