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## Aptameric detection of Quinine in reclaimed wastewater by using a personal glucose meter

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Figure S1 Molecular structure of quinine.

Figure S2 MBs-aptamer-invertase structure. The MBs represent the streptavidin functionalized magnetic beads. Bold letters represent the hybridization zones between aptamer and thiol-DNA. Invertase is linked to the complementary DNA by the reduced thiol group.

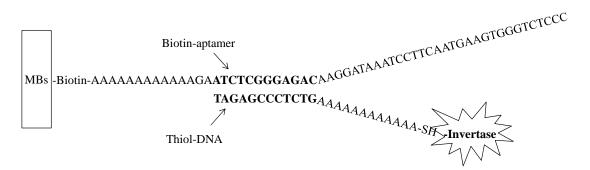


Figure S3 Non-denaturing PAGE (15%) of the thiol-DNA and invertase affinity. Band 1# is the DNA ladder, band 2# is the pure thiol-DNA, band 3# is the mixture of thiol-DNA and the invertase, band 4# is the conjugant of the thiol-DNA and the invertase.

