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# Influence of controlled surface functionalization of magnetic nanocomposites on the detection performance of immunochromatographic test

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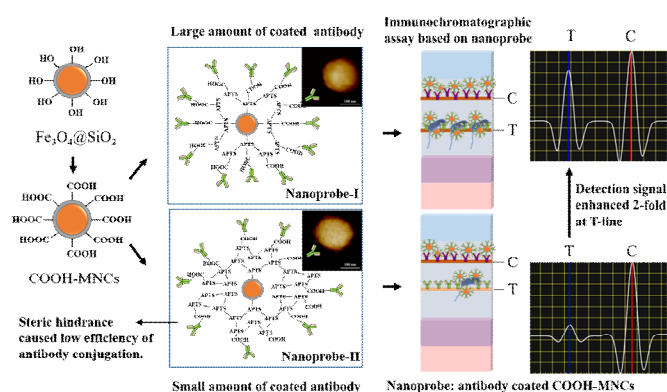
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## Graphical abstract



To investigate the critical effect of the surface functionalization of the magnetic nanoprobes on the detection performance of immunochromatographic test strip (ICTS), serial functionalized MNCs with controlled carboxyl group density were prepared by adjusting APTS-to-MNCs ratios. Due to the steric hindrance, the antibody conjugating efficiency and

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