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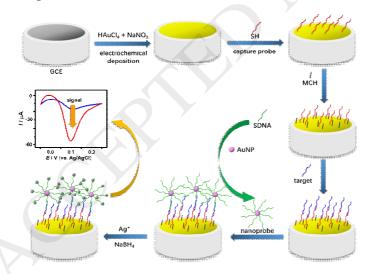
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## ACCEPTED MANUSCRIPT

Ultrasensitive electrochemical DNA sensor for virulence invA gene of Salmonella using silver nanoclusters as signal probe

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#### Graphical abstract



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