

Supporting Information

An Enzyme-free Immunosorbent Assay of Staphylococcal Enterotoxin B Using a Three-Way DNA Junction Amplifier with Automatic Reset Function

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Supplemental Table S1. The sequences of the DNA oligonucleotides

Name	Sequences (5'end -3'end)
Trigger	TGAGGGCGCGCTTGAGGGTATACTTTTTTTTTTT-SH
HP 1	TGGGGAGGGTGGGGAAAGTATACCCTCAAGCGCGCCCTCA TGAGGGCAAGACTGAGGCGCGCTTGAGGG
HP 2	TGGGGAGGGTGGGGAAAGCGCGCCCTCAGTCTTGCCCTCA TGAGGGTATACTTGAGGGCAAGACTGAGGG
HP 3	TGGGGAGGGTGGGGAAAGTCTTGCCCTCAAGTATACCCTCA TGAGGGCGCGCTTGAGGGTATACTTGAGGG

Supplemental Table S2. Current advances in selective detection of SEB with different test methods

Method	Linear range (ng/mL)	LOD (pg/mL)	Ref.
lateral flow	0.005-2	1.2	1
Light scattering ELISA	7-500	690	2
Immunochromatographic assay	0.19-400	90	3
Aptasensor	3.13-100	330	4
Colorimetric biosensor	0.5-5×10 ⁴	5×10 ⁴	5
Electrochemical biosensor	0.5-500	170	6
ELISA	0.5-32	380	7
This work	0.01-10	7.21	This work

Notes and references

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