Evaluation of Immunomagnetic Separation for the Detection of Salmonella in Surface Waters by Polymerase Chain Reaction

Water Quality Parameters	Salmonella Positive Negative		Mann-Whitney (U Test)
Heterotrophic plate counts (CFU/mL)	$2.0 \times 10^4 \pm 2.4 \times 10^{4\text{\#}}$	$5.0 \times 10^4 \pm 3.5 \times 10^2$	0.079
Total coliforms (CFU/100 mL)	$2.3 imes 10^4 \pm 2.7 imes 10^4$	$5.4 imes 10^4 \pm 2.5 imes 10^4$	0.107
Turbidity (NTU)	96.3 ±30.4	69.4 ± 82.9	0.826
Temperature ($^{\circ}$ C)	21.3 ± 0.8	21.3 ± 0.3	0.942
pH value	7.9 ± 0.2	7.9 ±0.3	0.883

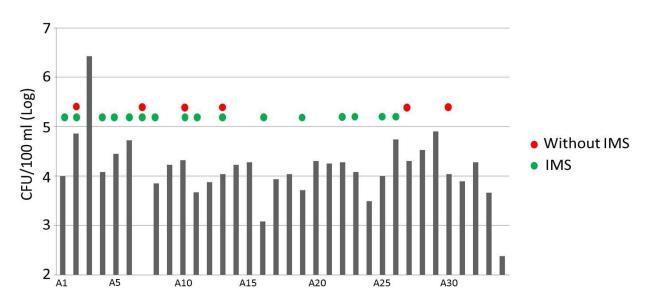
Table S1. Nonparametric test results for Salmonella in terms of water quality parameters.

Note: # Mean \pm SD.

Table S2. The detection results of two procedures.

Detection Result		With IMS	
		Positive	Negative
Without IMS	Positive	4	2
	Negative	12	16

Figure S1. Positive samples of the procedures with and without IMS. The bacteria quantity in each sample was also shown.



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