

# **Supplementary Materials**

## **Rapid-Response Magnetic Enrichment Strategy for Significantly Improving Sensitivity of Multiplex PCR Analysis of Pathogenic *Listeria* Species**

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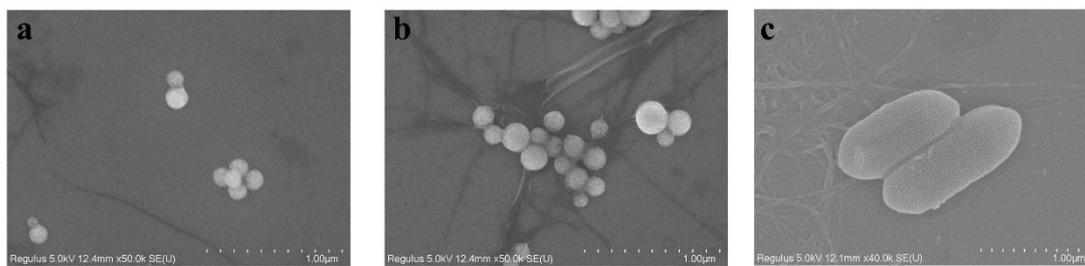
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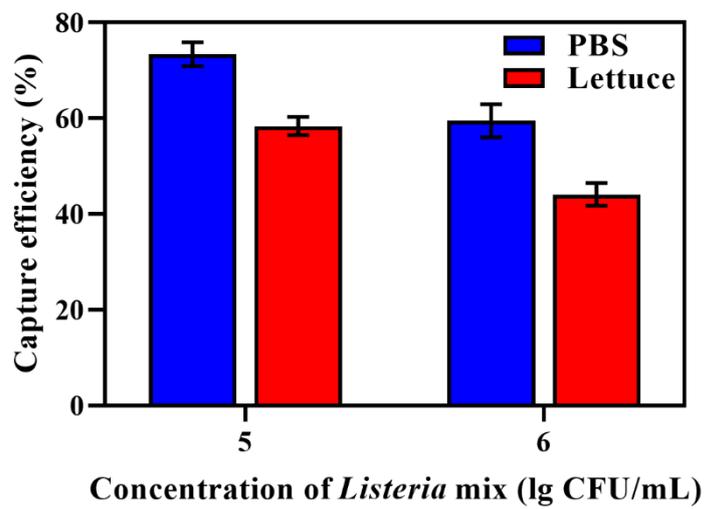
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**Figure S1.** SEM images of MNP (a), PEI-MNPs (b) and pathogenic *Listeria* (c).



**Figure S2.** CE of pathogenic *Listeria* at the concentrations from  $10^5$  CFU/mL to  $10^6$  CFU/mL by 100  $\mu$ g PEI-MNPs in PBS and lettuce.