

Supporting Information

A polymyxin B-silver nanoparticle colloidal system and the application of lipopolysaccharide analysis

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Table S1. Comparison of the detection limit of the developed LPS assay with other existing methods.

Technique	Mechanism	Detection limit (ng/mL)	Ref
Cyclic voltammetry	PMB immobilized onto a gold electrode	1900	1
Electrochemical impedance spectra	magnetic glassy carbon electrode and magnetic nanoparticles	150	2
Cyclic voltammetry	ferrocene attached PMB and enzymatic amplification	50	3
Grating-coupled surface plasmon resonance	a chip with Au diffraction grating and a compact disk as the spectra dispersive unit	32.5	4
Fluorescent assay	magnetic nanoparticles based capture-SELEX	3	5
Colorimetry	PMB-AgNPs colloidal system	20	This work

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