

Electronic Supplementary Material

Tetracycline-Selective Fluorescent Biosensor Using Anthranilic Acid

Immobilized on Glutaraldehyde-Coated Eggshell Membrane

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Fig. S1 SEM images of outer ESM after cross-linking with glutaraldehyde and AA, ×5000.



Table S1. Comparison between the developed method and previously reported ones

Detection system	Reaction medium	Linear range	Detection limit	Real samples	Refs
Tc-H ₂ O ₂ -Fe(II)/(III)	Aqueous solution	0.2~30 μM	50 nM	Tablets and Honey	(Kaczmarek et al. 2008)
Carbon dot-Tc	Aqueous solution	10 nM~1 mM	3.3 nM	Urine samples	(Feng et al. 2015)
RhB-Tc-Au Nps	Aqueous solution	2.08 nM~1.04 μM	0.61 nM	Water, urine , milk	(Chen et al. 2004)
EuTc-C18 layer	Solid matrix	0-3000 mug/L	29 nM	Milk	(Abolhasani et al. 2015)
AMP/Eu-Tc	Aqueous solution	0.1~20 μM	60 nM	Milk	(Tan et al. 2013)
AATc-FL	Solid matrix	10 ng/mL~1 μg/mL	10 ng/mL	Egg	This work

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