

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.

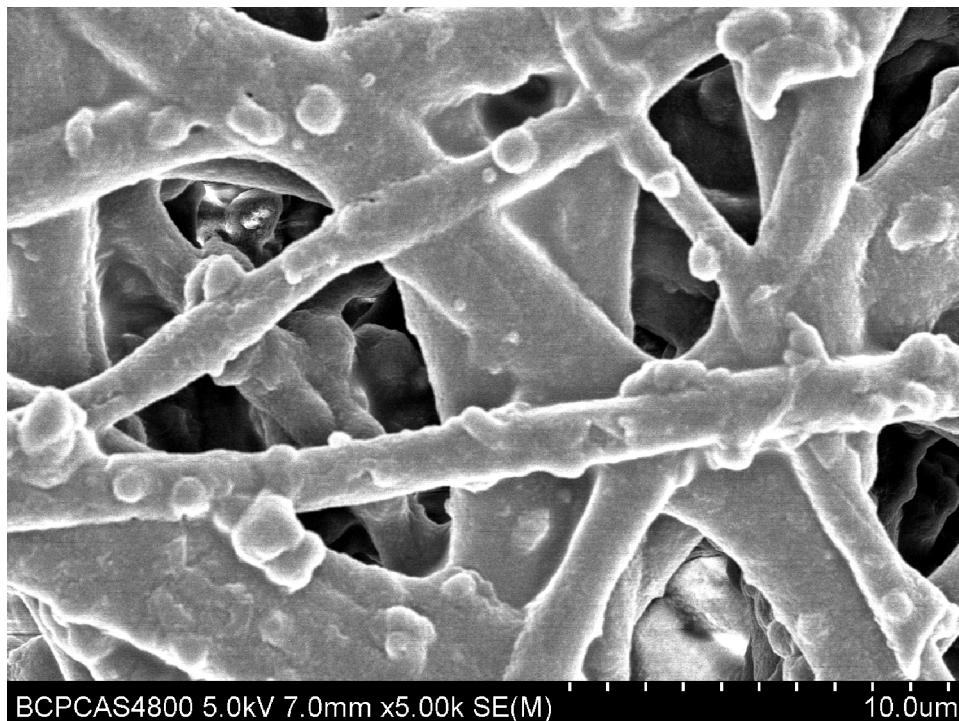


Table S1. Comparison between the developed method and previously reported ones

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

M. Kaczmarek, A. Idzikowska and S. Lis, *J. Fluoresc.*, 2008, **18**, 1193-1197.

G. Chen and L. Liu, *J. Agric. Food Chem.*, 2004, **52**, 7199-7205.

Y. Feng, D. Zhong, H. Miao and X. Yang, *Talanta*, 2015, **140**, 128-133.

J. Abolhasani and N. Farajzadeh, *Luminescence*, 2015, **30**, 257-262.

H. L. Tan, C. J. Ma, Y. H. Song, F. G. Xu, S. H. Chen and L. Wang, *Biosens Bioelectron*, 2013, **50**, 447-452.