
Supplementary Materials

**Simultaneous Determination of Xanthine and Hypoxanthine Using
Polyglycine/rGO Modified Glassy Carbon Electrode**

Ting Wang ¹, Lin Zhang ², Chengyu Zhang ², Dongmei Deng ², Dejia Wang ²,
Liqiang Luo ^{2,*}

*1 School of Health & Social Care, Shanghai Urban Construction Vocational College,
Shanghai 201401, China*

2 College of Sciences, Shanghai University, Shanghai 200444, China

** Correspondence: luck@shu.edu.cn; Tel.: +86-21-66132404*

Table S1. The reproducibility of p-Gly/rGO/GCE in the determination of mixed solution containing 20 μ M XT and 20 μ M HX in 0.1 M PBS (pH 6.0).

Analyte	Current (μ A)	RSD (%)
XT	0.636	4.31
	0.693	
	0.64	
	0.681	
	0.695	
HX	1.698	5.27
	1.894	
	1.725	
	1.722	
	1.876	

Table S2. The influences on the peak currents of 20 μM XT and 20 μM HX in 0.1 M PBS (pH 6.0) at p-Gly/rGO/GCE.

Interference	Concentration (μM)	Change in response (%)	
		XT	HX
K^+	500	+4.7	+5.2
Na^+		+3.2	+4.1
NO_3^-		+5.1	+3.2
Cl^-		+3.6	+4.9
SO_4^{2-}		+2.5	+3.4
CO_3^{2-}		+3.9	+3.7
L-threonine		+4.9	+4.3
L-arginine		+3.2	+4.6
Glucose		+5.7	+3.6
Citric acid		−4.2	−5.2
Ascorbic acid		+3.6	+2.2
Uric acid		+5.0	+2.5