
Supplementary Materials

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

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

Analyte	Current (μA)	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^+		+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-}	500	+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