

**Table S1.** Effect of ion-exchanger on the electrode response.

Ion-exchange, mg	Sensor 1	Sensor 2	Sensor 3
0 2 3 5 7	Slope $\pm$ SD		
	40 $\pm$ 0.4	43 $\pm$ 0.5	42 $\pm$ 0.5
	48 $\pm$ 0.4	53 $\pm$ 0.5	52 $\pm$ 0.5
	52 $\pm$ 0.5	55 $\pm$ 0.4	54 $\pm$ 0.4
	52 $\pm$ 0.3	56 $\pm$ 0.4	55 $\pm$ 0.3
	52 $\pm$ 0.3	56 $\pm$ 0.3	55 $\pm$ 0.3

\*slope  $\pm$  SD (n=3)

**Table S2.** Effect of immersion time on the electrode response of  $1 \times 10^{-4}$  M of GT

Soaking time, min	Sensor 1	Sensor 2	Sensor 3
0.25	20	10	11
0.5	25	15	15
1.5	35	20	20
2	40	20	20
2.5	40	20	20
3	40	20	20
24	40	20	20
48	40	20	20
72	40	20	20
96	40	20	20
120	40	20	20