

## Supplementary Materials

### **Dual-wavelength electrochemiluminescence ratiometry for hydrogen sulphide detection based on Cd<sup>2+</sup>-doped g-C<sub>3</sub>N<sub>4</sub> naonsheets**

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**Table S1.** Analytical results of the proposed method for H<sub>2</sub>S in human plasma samples.

Serum Samples No.	Found ( $\mu\text{M}$ )	RSDs ( $\%, n = 3$ )
1	0.53	7.6
2	0.46	5.5
3	0.59	5.6
4	0.65	4.8
5	0.61	3.9

**Table S2.** Recovery tests of H<sub>2</sub>S in human serum samples.

Serum samples	Found (μM)	Added (μM)	Total Found (μM)	Recoveries (%)	RSDs (% , <i>n</i> = 3)
1	0.46	0.05	0.50	80.0	3.8
		0.50	0.93	94.0	6.9
		5.00	5.48	100.4	4.3
2	0.65	0.05	0.70	100.0	7.4
		0.50	1.18	106.0	3.2
		5.00	5.63	99.6	5.9