Supplementary Materials

Portable Sensing Platform for the Visual Detection of Iodide Ions in Food and Clinical Samples

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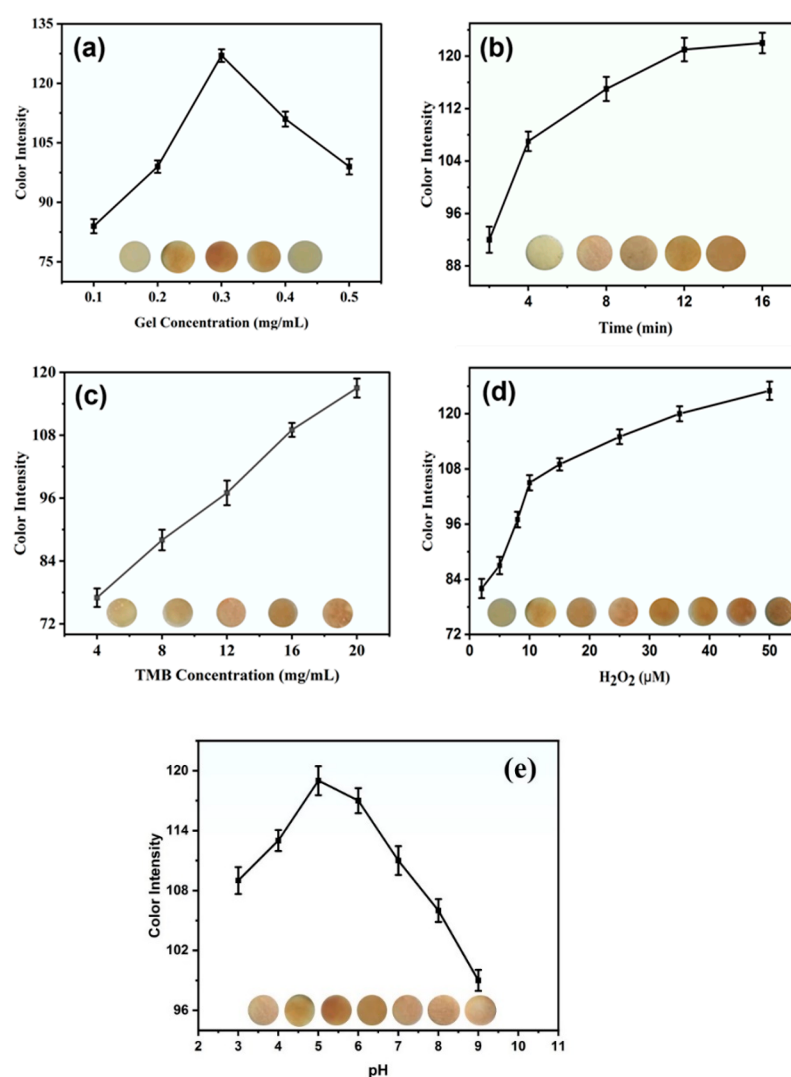* Correspondence: humaajab@cuiatd.edu.pk (H.A.); naseem.abbas@sejong.ac.kr (N.A.)

Figure S1. Colorimetric reaction under various experimental conditions: (**a**) gel, (**b**) time, (**c**) TMB and (**d**) H_2O_2 optimization, and (**e**) pH.

Table S1. Comparison of LODs of different reported sensors with the proposed sensor.

Serial No	Materials	Linear Range (μM)	LOD (μM)	References
1	Nitrogen-doped carbon dots	0.1 to 20	0.0694	[31]
2	Cu_2O	1 to 20	0.5×10^{-7}	[32]
3	Cu@Au core−shell	-	6	[33]
4	Tea capped AgNPs	0.1 to 50	6.5×10^{-8}	[34]
5	Au nanoparticles	0.1–1.0	0.05	[35]
6	Carbon dot/gold nanocluster	-	0.7	[36]
7	COL-AgNPs	4.9−29.1	108.5	[25]
8	AuNPs	-	30.1	[37]
9	Proposed assay	0.01−15	0.15	This work