

Table S2 Comparison of the proposed method and other reported methods

Detection method	Liner range (ng mL ⁻¹)	Detection limit (ng mL ⁻¹)	Ref.
Photothermal Immunoassay	0.02-10	0.01	(Yu et al., 2022)
Digital Immunoassay	0-5	0.005	(Wang et al., 2020)
Anti-cTnI/CNF nanoelectrode	0-10	0.2	(Periyakaruppan et al., 2013)
Electrochemical impedance spectroscopy	1-1000	1000	(Spain et al., 2018)
Mn3O4-RGO/microfluidic electrode	0.008-20	0.008	(Singh et al., 2017)
Chemiluminescence Imaging Immunoassay	0.5-100	0.001	(Li et al., 2022)
Glucometer-Colorimetric Dual Mode	0.01-20 (0.03-15)	0.001 (0.005)	This work