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Support Information

Novel Fluorescence Resonance Energy Transfer Optical Sensors for Vitamin B12 Detection using Thermal Reduced Carbon Dots

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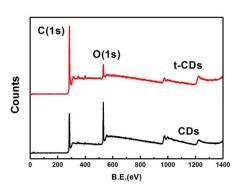


Figure S1. XPS spectra of CDs and t-CDs

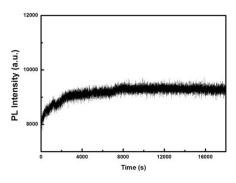
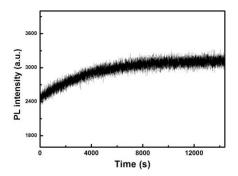
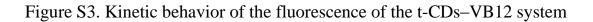


Figure S2. Photostability of t-CDs





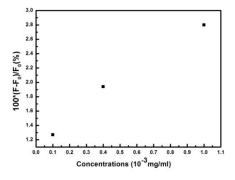


Figure S4 the plot of calibration graph for the efficiency of FRET process vs. concentration

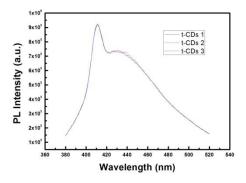


Figure S5 Standard Deviation of t-CDs (0.36%)

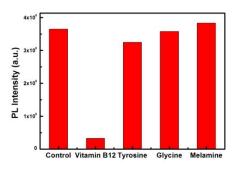


Figure S6 t-CDs with 100 μ g/ml different chemicals