

Supplementary Material

Label-Free Detection of T4 Polynucleotide Kinase Activity and Inhibition via Malachite Green Aptamer Generated from Ligation-Triggered Transcription

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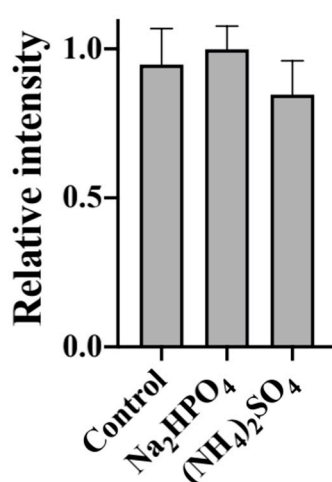


Figure S1. Inhibition effects of Na₂HPO₄ and (NH₄)₂SO₄ on T4 DNA ligase and T7 RNA polymerase.

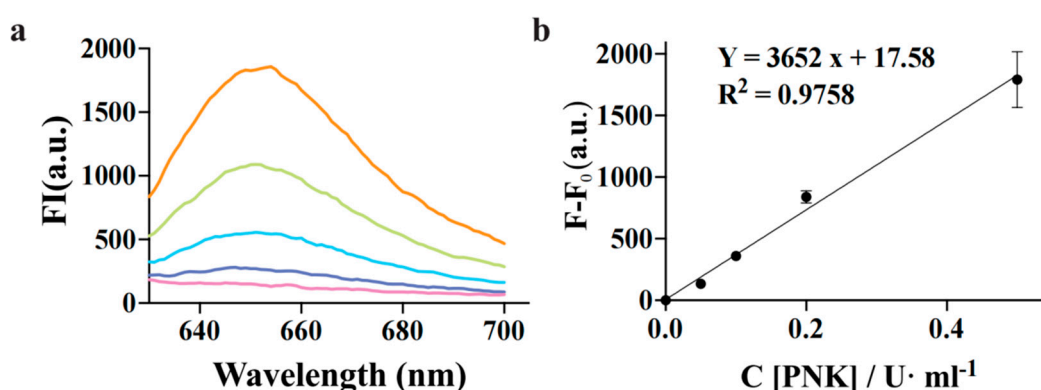


Figure S2. (a) Fluorescence emission spectrum of the assay upon addition of different units of T4 PNK in diluted cell lysate (from bottom to top): 0, 0.05, 0.1, 0.2, 0.5 U/mL. (b) Calibration curve for T4 PNK detection in diluted cell lysate. The error bars represent the standard deviation (SD) across three repetitive experiments over the blank response.