

# Colorimetric Sensing of Lactate in Human Sweat Using Polyaniline Nanoparticles-Based Sensor Platform and Colorimeter

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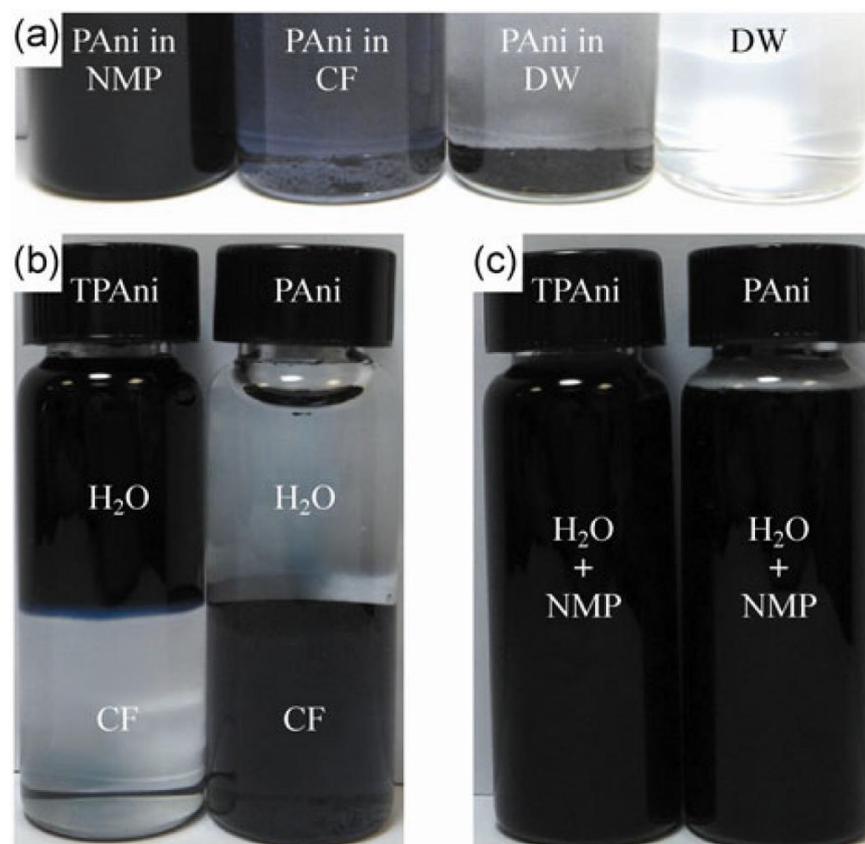
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**Figure S1.** (a) Solubility tests for bare PAni in the various solvents; NMP (N-methyl pyrrolidone), CF (chloroform), and DW (deionized water). (b) Solubility tests for TPAni nanoparticles (0.05 mg/mL) in water and chloroform. (c) Solubility tests for TPAni nanoparticles (0.05 mg/mL) in water and NMP.

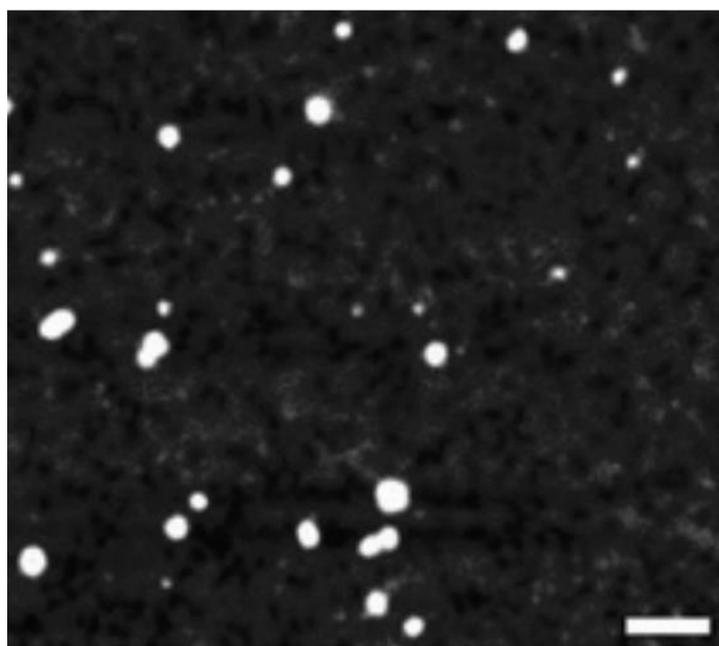


Figure S2. Atomic force microscopic image of the TPAni nanoparticles. The scale bar is 100 nm.

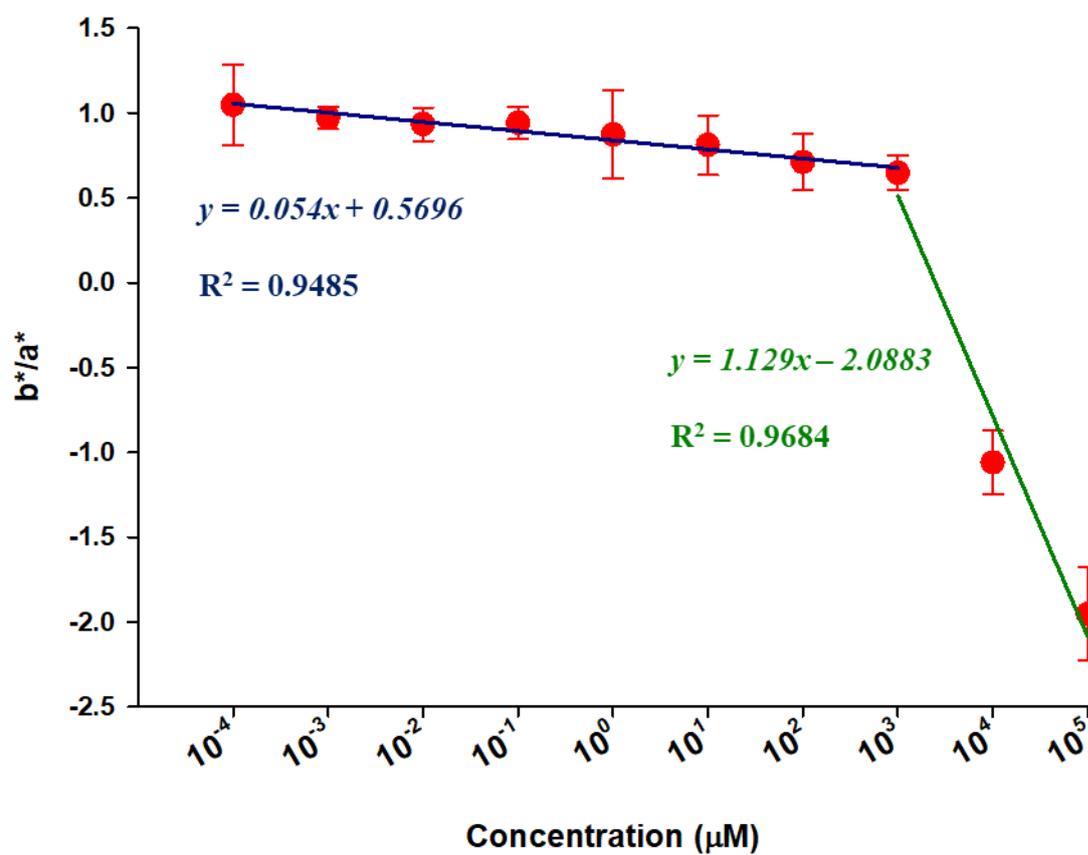


Figure S3.  $b^*/a^*$  values for each concentration of lactate. The fitting lines, its equations, and R2 values for confirming linearity are inserted.