

Supplementary Information

Measurement of Total Antioxidant Capacity in Sub- μ L Blood Samples Using Craft Paper-based Analytical Devices

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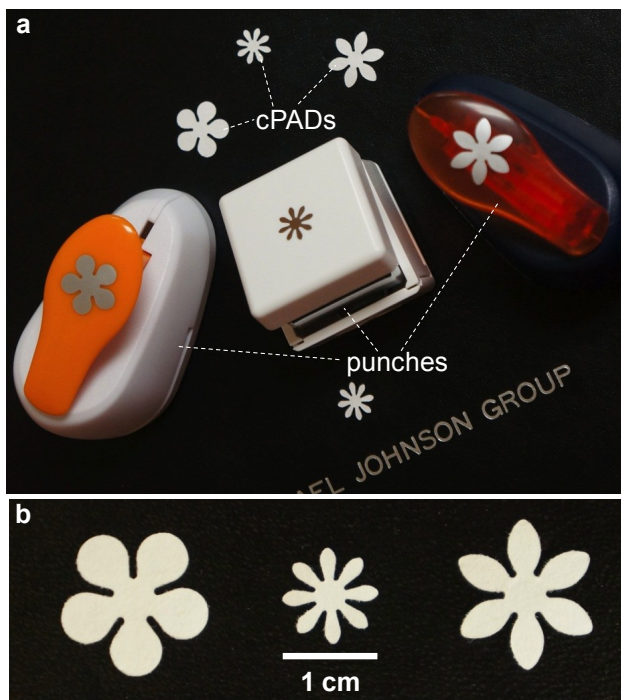


Figure S1. (a) Craft Paper-based Analytical Devices (cPADs) made by hand craft punches with various designs. Each punch costs less than \$5. (b) A close-view of the cPADs.

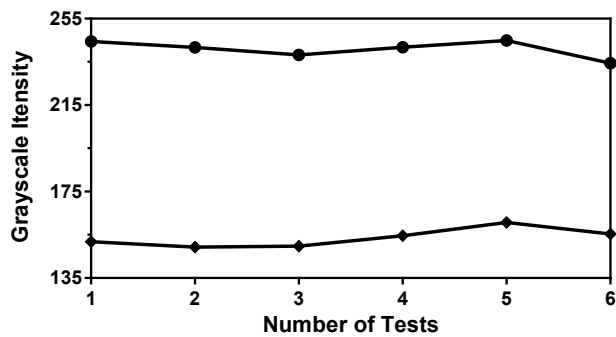


Figure S2. Six measurements in a row over a period of 1.5 h. ● 0.2 M uric acid standard; ◆ plasma sample collected from a C57BL/6 male mouse.

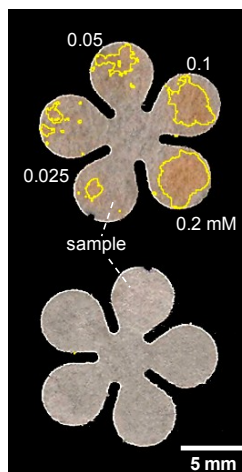


Figure S3. Control experiment for isolated plasma samples in TAC testing. Upper assay: coated with reaction buffer; lower control: coated with PBS. 0.5- μ L plasma obtained from C57BL/6 mouse spotted to the assay and control cPADs. The control cPAD shows no development of color and no color recognized by the software.