Electronic Supplementary Material (ESI) for Analyst.

Supplementary Information

A Novel Paper-based Colorimetry Device for the Determination of the Albumin to Creatinine Ratio

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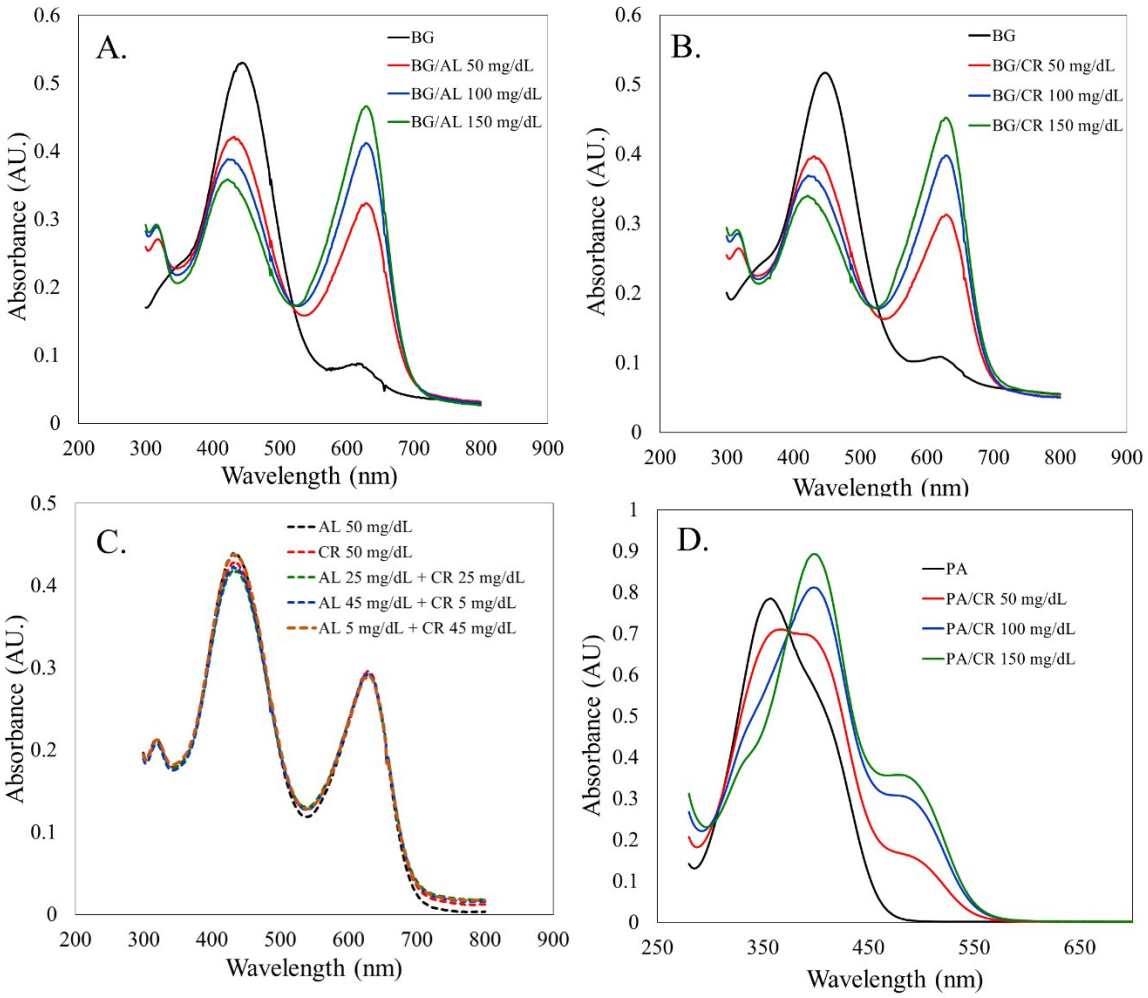

Figure S1 UV–vis spectra of the BG in PBS solution at pH 4 in with/without of AL (A), the BG in PBS solution at pH 4 in with/without of CR (B), the BG in PBS solution at pH 4 with AL, CR and AL+CR (C), and the PA in NaOH solution with/without of CR (D).

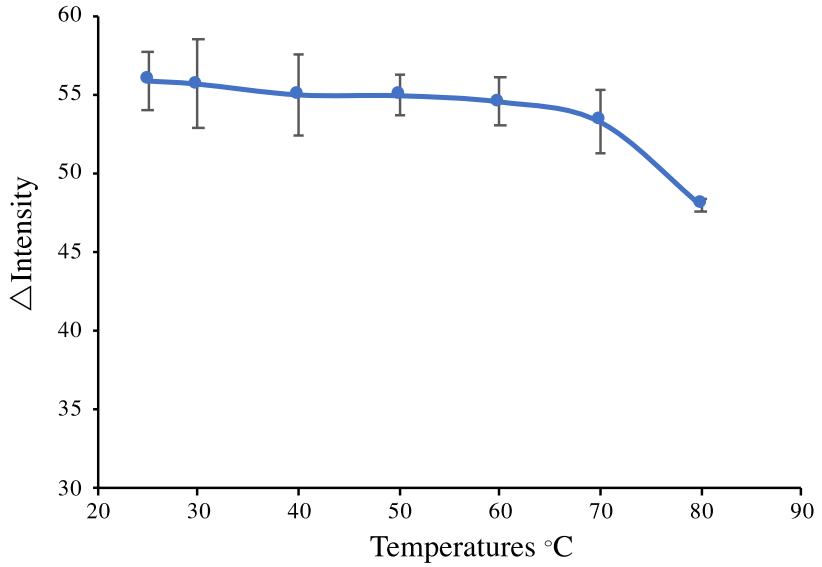

Figure S2 The mean color intensity values on PADs for determination of AL using BG dye at difference time and temperature.

Table S1 Comparisons of two measurement methods for determination of ACR in urinary samples (n=3)

Sample	Albumin to Creatinine ratio (μg mg^{-1})	
	Proposed method	Standard method*
Urine 1	20.16 ± 2.2	19.59 ± 1.2
Urine 2	26.84 ± 3.2	22.76 ± 2.5
Urine 3	26.81 ± 2.4	23.31 ± 1.7

* UV-Visible spectrophotometry