Supporting Information

Low-cost and highly sensitive colorimetric and visual detection of amikacin in milk based on melamine functionalized gold nanoparticles

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Smartphone Color Analysis

The photos were taken by the smartphone image acquisition device (SIAD) (Fig. S). The SIAD collected images were then converted into numerical values using the smartphone WeChat applet to obtain color recognition information, in accordance with the methodology described [1].
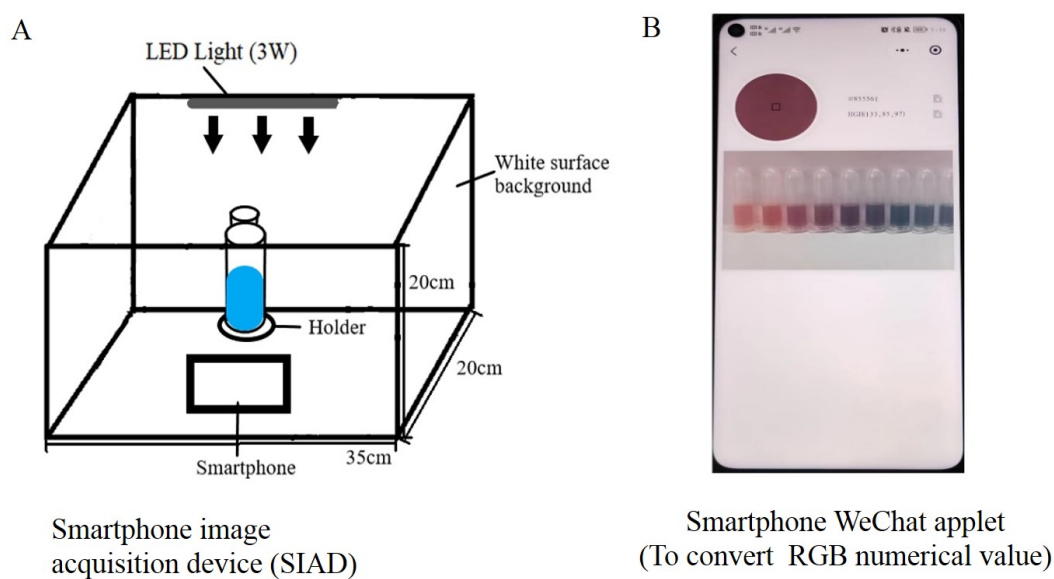

A

LED Light (3W)

White surface background

20cm

Holder

20cm

35cm

Smartphone

Smartphone image acquisition device (SIAD)

B

Smartphone WeChat applet (To convert RGB numerical value)

Fig. S The basic device of smartphone image acquisition device (SIAD) (A). Convert the captured RGB image into numerical values by smartphone WeChat applet of color recognition extractor (B).

References

[1] Q. Shi, T. Wang, Y. Zheng, Q. Guo, B. Wang, S.J. Zhu, *Anal. Lett.*, 2023, **56**, 1896-1910.

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