## Supplementary Materials: Feasibility of A Novel On-Site Detection Method for Aflatoxin in Maize Flour from Markets and Selected Households in Kampala, Uganda

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**Figure S1.** The image of the assembled portable electrochemical immunosensor designed for the on-site detection of aflatoxins.

The operation of the immunosensor has been previously reported by Wacoo et al. [1]. Data acquisition, analysis and display were performed by a locally designed potentiostat enclosed in a small casing. The device is portable, weighs approximately 450 g and  $19 \text{ cm} \times 11 \text{ cm} \times 6 \text{ cm}$  in size and is powered by replaceable batteries and therefore well-suited for on-site application [2].



**Figure S2.** Current practice of 'quality and safety assessment' of flour at the Bweyale Market in the Kirandongo District, Uganda. (**A**) Evaluation of texture by the customer, and (**B**) Evaluation of taste (bitterness) by the saleswoman.

## References

- 1. Wacoo, P.A.; Ocheng, M.; Wendiro, D.; Vuzi, P.C.; Hawumba, F.J. Development and characterization of an electroless plated silver/cysteine sensor platform for the electrochemical determination of aflatoxin B<sub>1</sub>. *J. Sensors* **2015**, *2016*, 1–8.
- 2. Ocheng M, W.P.A., Wendiro D., Vuzi P. C and Hawumba F. J. The assembly of a field-deployable biosensor device operating on the electroless silver plated sensor platform for detection of aflatoxin B<sub>1</sub>. *Int. J. Sci. Eng. Investig.* **2015**, 4, 6–10.