Lab on a Chip

RETRACTION

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Retraction: A new polymer lab-on-a-chip (LOC) based on a microfluidic capillary flow assay (MCFA) for detecting unbound cortisol in saliva

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Retraction of 'A new polymer lab-on-a-chip (LOC) based on a microfluidic capillary flow assay (MCFA) for detecting unbound cortisol in saliva' by Vinitha T. U. *et al.*, *Lab Chip*, 2020, **20**, 1961–1974, DOI: **https://doi.org/10.1039/D0LC00071J**.

The Royal Society of Chemistry, with the agreement of the authors, hereby wholly retracts this *Lab on a Chip* article due to concerns with the reliability of the data.

While repeating more assays to subsequently improve the assay performance for cortisol using the developed sandwich assay protocol, it became clear that since cortisol is a very small molecule (molecular weight: 362.46 g mol^{-1}), binding with two unique epitopes of two different antibodies in a sandwich mechanism was not reliable.

Having consulted with an independent expert, the Royal Society of Chemistry has determined that any changes made to the paper to correct this would be major, and therefore that the best course of action is retraction.

The authors brought this matter to the attention of the Royal Society of Chemistry and agree to retract this article.

Signed: Vinitha T. U., Sthitodhi Ghosh, Alexander Milleman, Thinh Nguyen and Chong H. Ahn,

Date: 22 September 2023

Retraction endorsed by Rebecca Garton, Executive Editor, *Lab on a Chip*.

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