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Peer Review

Review of: "Optimization of Pre-Sampling Conditions for Salivary Genomic DNA Extraction: A Single-Donor Analysis"

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The study is simple but informative because saliva is an easy-to-collect specimen. The results are limited but instructive from a technical point of view. The authors wrote the protocol in detail and stated the limitations of the study.

However, I have a concern because the results shown in Fig. 1A are inconsistent. It would make sense if brushing, gargling, and water intake resulted in a reduction of the DNA yield because they all can reduce epithelial cells in the mouth. However, in Fig. 1A, water intake results in an increase in the DNA yield in the absence of brushing and in the presence of gargling (the third and fourth samples from the left side). Water intake consistently reduced the DNA yield in other samples. Therefore, I suppose that water intake is absent in the third sample and present in the fourth one. Please double-check. If that is the case, the results and conclusion should be corrected accordingly.

I have another comment. The authors wrote, 'Individuals with higher oral microbial loads may yield lower-purity gDNA due to microbial DNA contamination.' I suggest revising that sentence because, if purity means A260/280, it will not change whether DNA is extracted from human cells or microorganisms.

Declarations

Potential competing interests: No potential competing interests to declare.

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