

Review of: "A Rapid and Robust DNA Extraction Method for PCR-Based Diagnosis of *V. cholerae*"

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Potential competing interests: No potential competing interests to declare.

The article describes a simple, less expensive, and rapid template DNA extraction method for *V. cholerae* to facilitate PCR diagnosis. According to the authors, this newly developed method reduces the extraction time from 72 hours to 18-24 hours by boiling the bacterial suspension in distilled water. The study validated this method using 40 confirmed *V. cholerae* O1 strains and 20 clinical strains, showing that the new method produces results comparable to conventional DNA extraction methods with a sensitivity of 1.5×10^3 CFU per assay.

The manuscript is well-written and, in my opinion, the development of a new method for faster DNA isolation than previously possible constitutes a very significant contribution to cholera diagnostics due to the need for early detection.

Therefore, in order for the developed method to be adopted in laboratories, the manuscript should include more results confirming its effectiveness. Consequently, I request the authors to include a figure or table showing the results of clinical samples, as well as the specificity test results of PCR after extraction using the new method. Additionally, it would be beneficial to include a statistical analysis of the obtained results, for example, comparing results obtained using the "old method," or preferably several extraction methods (if possible), with the newly developed method. Only then will the manuscript be complete.