



Letter to the Editor

Impact of preanalytical storage on the accuracy of CD3, CD4, CD8 testing results using the BD FACSLyric™ clinical flow cytometry system

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Dear Editor,

I found a valuable article titled "Impact of preanalytical storage on the accuracy of CD3, CD4, CD8 testing results using the BD FACSLyric™ Clinical Flow Cytometry System" in "International Journal of Medical Biochemistry" [1]. I need to thank the research team of this article for conducting such a research. But it seems necessary to mention some points about this research. CD3, CD4 and CD8 can be investigated in various situations such as inflammation, cancer, and immunological disorders [2]. As mentioned in this article, not all laboratories have the hardware facilities to measure these markers and they must be stored in various forms such as freezers or storage at room temperature until they reach the laboratory with the equipment to start them. In this research, the samples were examined at room temperatures at 24 and 72 hours after sampling. Sometimes, due to the long distance, more time is needed for the sample to reach a more equipped laboratory. This time may be more than 72 hours. It is suggested that in future studies by this group of researchers or other researchers, longer times should be considered for the investigation of these markers in order to examine their sta-

bility in these time periods. It would also be better that part of the samples be kept at the refrigerator temperatures at the same time so that their stability at room temperatures and refrigerator temperatures can be compared at the same time.

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References

1. Ilardo C, Tabone D, Becker M, Deloison L, Arias Rojas N, Dirat M. Impact of preanalytical storage on the accuracy of CD3, CD4, CD8 testing results using the BD FACSLyric™ Clinical Flow Cytometry System. Int J Med Biochem 2023;6(2):109–13. [\[CrossRef\]](#)
2. Wu Z, Zheng Y, Sheng J, Han Y, Yang Y, Pan H, et al. CD3+CD4-CD8- (Double-Negative) T Cells in inflammation, immune disorders and cancer. Front Immunol 2022;13:816005. [\[CrossRef\]](#)

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