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| Journal Name: | [**International Blood Research & Reviews**](https://journalibrr.com/index.php/IBRR) |
| Manuscript Number: | **Ms\_IBRR\_142687** |
| Title of the Manuscript: | **Holding Time in Fresh Frozen Plasma: A Critical Factor Worth Investigating** |
| Type of the Article | **Review Article** |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **This review highlights the importance of optimum holding time required between whole blood collection and the plasma processing which will be helpful in reducing the immunological reactions helping in better patient care as well as reducing the number of adverse drug reactions therefore also contributing towards hemovigilance.** | Thanks |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Title is concise and suitable. Although an alternative title could have been “Standardization of holding time for Fresh Frozen Plasma by balancing leucocyte inactivation and preservation of labile proteins ”** | Following the other reviewer’s recommendation, the title has been updated to: Holding Time Optimisation in Fresh Frozen Plasma: A Critical Factor Worth Investigating |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **The abstract is well structured although the author could have mentioned in brief about the EDQM 2025 guidelines.** |  |
| Is the manuscript scientifically, correct? Please write here. | **The manuscript is scientifically correct but the author could have mentioned the quality control and statistical process control for FFP. Also, EDQM guidelines could have been compared with other international guidelines such as AABB guidelines. Acceptable ranges for residual leucocytes and Factor VIII should have been mentioned.** | SPC is to be covered in another article and was not included to avoid plagiarism. Ranges have been added.  Author’s are not familiar with AABB guidelines |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | **The references are sufficient and recent but proteomic studies could have been included. Recent advances in residual leucocyte reduction technologies and comparison with other guidelines such as AABH could bolster the author’s arguments** | We thank the reviewer for the thoughtful suggestions regarding the inclusion of proteomic studies and additional comparisons with guidelines such as AABB. While we acknowledge the potential value of these additions, we have chosen to focus the current manuscript on the core aspects of FFP quality, specifically protein preservation and leucocyte management. Including these topics would expand the scope beyond what is feasible for this paper and may be more appropriate for a dedicated follow-up study. |
| Is the language/English quality of the article suitable for scholarly communications? | **Yes, it is suitable for scholarly communication.** | Thanks |
| Optional/General comments | **Consider adding the factor levels for residual leucocytes, different factors present in plasma as well operational logistics for short and long holding times. Comparison of holding period and patient blood groups is also an interesting area of research.** | Thanks for the insight. These will be considered in future local studies. |

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| **PART 2:** | | |
|  | Reviewer’s comment | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Are there ethical issues in this manuscript?** | *No ethical issues* | confirmed |