



OPEN ACCESS

EDITED AND REVIEWED BY
Tim McMahon,
Duke University, United States

*CORRESPONDENCE
O. Berk Usta,
✉ ousta@mgh.harvard.edu
Jason P. Acker,
✉ jacker@ualberta.ca

RECEIVED 03 October 2025
ACCEPTED 08 October 2025
PUBLISHED 16 October 2025

CITATION
William N, Isiksacan Z, Mykhailova O, Olafson C, Yarmush ML, Usta OB and Acker JP (2025) Correction: Comparing two extracellular additives to facilitate extended storage of red blood cells in a supercooled state. *Front. Physiol.* 16:1717907. doi: 10.3389/fphys.2025.1717907

COPYRIGHT
© 2025 William, Isiksacan, Mykhailova, Olafson, Yarmush, Usta and Acker. This is an open-access article distributed under the terms of the [Creative Commons Attribution License \(CC BY\)](#). The use, distribution or reproduction in other forums is permitted, provided the original author(s) and the copyright owner(s) are credited and that the original publication in this journal is cited, in accordance with accepted academic practice. No use, distribution or reproduction is permitted which does not comply with these terms.

Correction: Comparing two extracellular additives to facilitate extended storage of red blood cells in a supercooled state

Nishaka William¹, Ziya Isiksacan^{2,3}, Olga Mykhailova⁴, Carly Olafson⁴, Martin L. Yarmush^{2,3,5}, O. Berk Usta^{2,3*} and Jason P. Acker^{1,4*}

¹Department of Laboratory Medicine and Pathology, University of Alberta, Edmonton, AB, Canada, ²Center for Engineering in Medicine and Surgery, Massachusetts General Hospital, Harvard Medical School, Boston, MA, United States, ³Shriners Children's, Boston, MA, United States, ⁴Innovation and Portfolio Management, Canadian Blood Services, Edmonton, AB, Canada, ⁵Department of Biomedical Engineering, Rutgers University, Piscataway, NJ, United States

KEYWORDS

supercooling, storage lesion, red blood cells, trehalose, polyethylene glycol, surface-sealing, nucleation

A Correction on
Comparing two extracellular additives to facilitate extended storage of red blood cells in a supercooled state

by William N, Isiksacan Z, Mykhailova O, Olafson C, Yarmush ML, Usta OB and Acker JP (2023). *Front. Physiol.* 14:1165330. doi: [10.3389/fphys.2023.1165330](https://doi.org/10.3389/fphys.2023.1165330)

Centrifugation speeds that should be noted as “1000 g, acc. 3, **dec. 9**” instead appear as “1000 g, acc. 3, **December 9**”. A correction needs to be made to the section titled “Blood processing and preparation for supercooled storage” as well as “RBC *in vitro* quality assays”. Both are subsections within the methods section.

The original article has been updated.

Publisher's note

All claims expressed in this article are solely those of the authors and do not necessarily represent those of their affiliated organizations, or those of the publisher, the editors and the reviewers. Any product that may be evaluated in this article, or claim that may be made by its manufacturer, is not guaranteed or endorsed by the publisher.