

Accepted Manuscript

Serum or plasma, what is the difference? Investigations to facilitate the sample material selection decision making process for metabolomics studies and beyond

Xinyu Liu, Miriam Hoene, Xiaolin Wang, Peiyuan Yin, Hans-Ulrich Häring, Guowang Xu, Rainer Lehmann



PII: S0003-2670(18)30374-X

DOI: [10.1016/j.aca.2018.03.009](https://doi.org/10.1016/j.aca.2018.03.009)

Reference: ACA 235806

To appear in: *Analytica Chimica Acta*

Received Date: 12 November 2017

Revised Date: 27 February 2018

Accepted Date: 6 March 2018

Please cite this article as: X. Liu, M. Hoene, X. Wang, P. Yin, H.-U. Häring, G. Xu, R. Lehmann, Serum or plasma, what is the difference? Investigations to facilitate the sample material selection decision making process for metabolomics studies and beyond, *Analytica Chimica Acta* (2018), doi: 10.1016/j.aca.2018.03.009.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Serum or plasma, what is the difference?

Investigations to facilitate the sample material selection decision making process for metabolomics studies and beyond

Xinyu Liu¹, Miriam Hoene², Xiaolin Wang¹, Peiyuan Yin¹, Hans-Ulrich Häring^{2, 3, 4},
Guowang Xu^{1*}, Rainer Lehmann^{2, 3, 4*}

¹ CAS Key Laboratory of Separation Science for Analytical Chemistry, Dalian Institute of Chemical Physics, Chinese Academy of Sciences, Dalian, China

² Division of Clinical Chemistry and Pathobiochemistry (Central Laboratory),
University Hospital Tübingen, 72076 Tübingen, Germany

³ Core Facility DZD Clinical Chemistry Laboratory, Institute for Diabetes Research and Metabolic Diseases of the Helmholtz Center Munich at the University of Tuebingen, Tübingen, Germany

⁴ German Center for Diabetes Research (DZD), Germany

* Corresponding authors:

Prof. Dr. Guowang Xu, CAS Key Laboratory of Separation Science for Analytical Chemistry, Dalian Institute of Chemical Physics, Chinese Academy of Sciences, Dalian 116023, China. Tel./Fax: +86-411-84379530. E-mail: xugw@dicp.ac.cn.

Prof. Dr. Rainer Lehmann, Division of Clinical Chemistry and Pathobiochemistry (Central Laboratory), University Hospital Tuebingen, Hoppe-Seyler-Str. 3, 72076 Tuebingen, Germany. Tel.: +49 7071 29 83193, Fax: +49 7071 29 5348. E-mail: rainer.lehmann@med.uni-tuebingen.de.

Download English Version:

<https://daneshyari.com/en/article/11011874>

Download Persian Version:

<https://daneshyari.com/article/11011874>

[Daneshyari.com](https://daneshyari.com)